284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PARK AVE -1**								
Q2393-01	PARK AVE -1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Eicosane	*	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Heneicosane	*	140.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hentriacontane	*	130.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hexacosane	*	100.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	n-Hexadecanoic acid	*	860.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octacosane	*	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octadecanoic acid	*	340.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Pentafluoropropionic acid, pentad	*	190.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Triacontane	*	150.000	J	0	0	ug/Kg
			Total Tics :		**2,710.00**				
			Total Concentration:		**2,710.00**				
Client ID :	**PARK AVE -2**								
Q2393-03	PARK AVE -2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Heptadecyl heptafluorobutyrate	*	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
			Total Tics :		**950.00**				
			Total Concentration:		**950.00**				
Client ID :	**PARK AVE -3**								
Q2393-05	PARK AVE -3	SOIL	Fluoranthene		150.000	J	34.6	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Pyrene		86.600	J	41.5	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzo(b)fluoranthene		88.800	J	21.9	200	ug/Kg
			Total Svoc :		**325.40**				
Q2393-05	PARK AVE -3	SOIL	1-Octadecene	*	180.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	n-Hexadecanoic acid	*	220.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
			Total Tics :		**770.00**				
			Total Concentration:		**1,095.40**				
Client ID :	**PARK AVE -4**								
Q2393-07	PARK AVE -4	SOIL	Phenanthrene		430.000		23.8	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Anthracene		85.800	J	37.9	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Fluoranthene		550.000		34.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene		330.000		40.9	190	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2393-07	PARK AVE -4	SOIL	Benzo(a)anthracene		230.000		26.2	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Chrysene		200.000		22.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(b)fluoranthene		290.000		21.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(k)fluoranthene		110.000	J	25.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(a)pyrene		220.000		33.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Indeno(1,2,3-cd)pyrene		93.500	J	33.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(g,h,i)perylene		110.000	J	29.2	190	ug/Kg
			Total Svoc :		**2,649.30**				
Q2393-07	PARK AVE -4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	4H-Cyclopenta[def]phenanthrene	*	230.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	5-Eicosene, (E)-	*	170.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2,5-dimethyl-	*	110.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2-methyl-	*	390.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene, 1-methyl-	*	78.500	J	0	0	ug/Kg
			Total Tics :		**1,388.50**				
			Total Concentration:		**4,037.80**				
Client ID :	**PARK AVE -5**								
Q2393-09	PARK AVE -5	SOIL	Fluoranthene		160.000	J	32.8	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pyrene		110.000	J	39.4	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzo(b)fluoranthene		92.100	J	20.8	190	ug/Kg
			Total Svoc :		**362.10**				
Q2393-09	PARK AVE -5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pentadecafluorooctanoic acid, hep	*	220.000	J	0	0	ug/Kg
			Total Tics :		**830.00**				
			Total Concentration:		**1,192.10**				
Client ID :	**PARK AVE -6**								
Q2393-11	PARK AVE -6	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Pentafluoropropionic acid, heptad	*	180.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**640.00**				

SAMPLE DATA

Raw Data: **BF142840.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

Raw Data: **BF142840.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.8	U	76.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.3	U	37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Raw Data: **BF142840.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	84.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.6		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	78700	6.875			
1146-65-2	Naphthalene-d8	300000	8.157			
15067-26-2	Acenaphthene-d10	153000	9.916			
1517-22-2	Phenanthrene-d10	208000	11.404			
1719-03-5	Chrysene-d12	153000	14.051			
1520-96-3	Perylene-d12	177000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB		5.09	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	860	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	340	J		12.7	ug/Kg
000630-04-6	Hentriacontane	130	J		12.9	ug/Kg
000629-94-7	Heneicosane	140	J		13.6	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	190	J		13.9	ug/Kg

Raw Data: **BF142840.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-02-4	Octacosane	170	J		14.2	ug/Kg
000112-95-8	Eicosane	170	J		14.7	ug/Kg
000638-68-6	Triacontane	150	J		15.2	ug/Kg
000630-01-3	Hexacosane	100	J		15.7	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142841.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.9	U	76.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	400	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.4	U	37.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Raw Data: **BF142841.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.7		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	86.0		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	32.6		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79700	6.875			
1146-65-2	Naphthalene-d8	306000	8.157			
15067-26-2	Acenaphthene-d10	156000	9.916			
1517-22-2	Phenanthrene-d10	223000	11.404			
1719-03-5	Chrysene-d12	158000	14.051			
1520-96-3	Perylene-d12	180000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.09	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		11.9	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	170	J		13.9	ug/Kg

Raw Data: **BF142841.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142824.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.5	U	34.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	43.3	200	ug/Kg
98-86-2	Acetophenone	34.0	U	34.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.4	U	47.4	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	92.3	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.8	U	37.8	200	ug/Kg
88-75-5	2-Nitrophenol	67.1	U	67.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.8	U	74.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	35.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.8	U	40.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.1	U	60.1	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.1	U	33.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.5	U	55.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

Raw Data: **BF142824.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.1	U	53.1	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.8	U	57.8	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	30.8	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.2	U	39.2	200	ug/Kg
87-86-5	Pentachlorophenol	59.2	U	59.2	380	ug/Kg
85-01-8	Phenanthrene	24.1	U	24.1	200	ug/Kg
120-12-7	Anthracene	38.4	U	38.4	200	ug/Kg
86-74-8	Carbazole	36.0	U	36.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	200	ug/Kg
206-44-0	Fluoranthene	150	J	34.6	200	ug/Kg
129-00-0	Pyrene	86.6	J	41.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.4	UQ	82.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	42.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.3	U	68.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.8	J	21.9	200	ug/Kg

Raw Data: **BF142824.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.0	U	34.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.6	U	31.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.1	U	52.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	31.6	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	66.2		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	69.5		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	36.7		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.2		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	36.4		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63000	6.881			
1146-65-2	Naphthalene-d8	226000	8.163			
15067-26-2	Acenaphthene-d10	112000	9.916			
1517-22-2	Phenanthrene-d10	215000	11.41			
1719-03-5	Chrysene-d12	192000	14.051			
1520-96-3	Perylene-d12	128000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
000112-88-9	1-Octadecene	180	J		13.9	ug/Kg

Raw Data: **BF142824.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142825.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.1	U	25.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.6	U	27.6	190	ug/Kg
95-57-8	2-Chlorophenol	27.7	U	27.7	190	ug/Kg
95-48-7	2-Methylphenol	34.0	U	34.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.6	U	42.6	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.7	U	46.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.9	U	53.9	91.0	ug/Kg
67-72-1	Hexachloroethane	20.0	U	20.0	190	ug/Kg
98-95-3	Nitrobenzene	20.8	U	20.8	190	ug/Kg
78-59-1	Isophorone	37.3	U	37.3	190	ug/Kg
88-75-5	2-Nitrophenol	66.2	U	66.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.7	U	73.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.0	U	35.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.2	U	32.2	190	ug/Kg
91-20-3	Naphthalene	25.8	U	25.8	190	ug/Kg
106-47-8	4-Chloroaniline	40.3	U	40.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.2	U	59.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.1	U	29.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.1	U	33.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.7	U	54.7	190	ug/Kg
131-11-3	Dimethylphthalate	30.8	U	30.8	190	ug/Kg

Raw Data: **BF142825.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.2	U	38.2	190	ug/Kg
99-09-2	3-Nitroaniline	52.3	U	52.3	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.8	U	25.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.0	U	57.0	190	ug/Kg
84-66-2	Diethylphthalate	32.2	U	32.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.0	U	73.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.4	U	37.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.6	U	31.6	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.7	U	38.7	190	ug/Kg
87-86-5	Pentachlorophenol	58.3	U	58.3	380	ug/Kg
85-01-8	Phenanthrene	430		23.8	190	ug/Kg
120-12-7	Anthracene	85.8	J	37.9	190	ug/Kg
86-74-8	Carbazole	35.5	U	35.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.5	U	54.5	190	ug/Kg
206-44-0	Fluoranthene	550		34.1	190	ug/Kg
129-00-0	Pyrene	330		40.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.2	UQ	81.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.7	UQ	41.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		26.2	190	ug/Kg
218-01-9	Chrysene	200		22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.3	U	67.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.7	U	98.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		21.6	190	ug/Kg

Raw Data: **BF142825.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	J	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	220		33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.5	J	33.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	29.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.1	U	29.1	190	ug/Kg
123-91-1	1,4-Dioxane	51.4	U	51.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.5		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	73.2		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	38.2		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62200	6.881			
1146-65-2	Naphthalene-d8	204000	8.163			
15067-26-2	Acenaphthene-d10	93600	9.916			
1517-22-2	Phenanthrene-d10	176000	11.41			
1719-03-5	Chrysene-d12	164000	14.051			
1520-96-3	Perylene-d12	109000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.09	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	390	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J		12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	78.5	J		13.2	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J		13.9	ug/Kg

Raw Data: **BF142825.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142826.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.2	U	24.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.6	U	26.6	190	ug/Kg
95-57-8	2-Chlorophenol	26.7	U	26.7	190	ug/Kg
95-48-7	2-Methylphenol	32.7	U	32.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	41.0	190	ug/Kg
98-86-2	Acetophenone	32.2	U	32.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.9	U	44.9	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	51.8	87.4	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.9	U	35.9	190	ug/Kg
88-75-5	2-Nitrophenol	63.6	U	63.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.8	U	70.8	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.7	U	33.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.9	U	30.9	190	ug/Kg
91-20-3	Naphthalene	24.8	U	24.8	190	ug/Kg
106-47-8	4-Chloroaniline	38.7	U	38.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.7	U	27.7	190	ug/Kg
105-60-2	Caprolactam	57.0	U	57.0	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.4	U	31.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.0	U	28.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.8	U	31.8	190	ug/Kg
92-52-4	1,1-Biphenyl	23.8	U	23.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.6	U	24.6	190	ug/Kg
88-74-4	2-Nitroaniline	52.6	U	52.6	190	ug/Kg
131-11-3	Dimethylphthalate	29.6	U	29.6	190	ug/Kg

Raw Data: **BF142826.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.6	U	31.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.7	U	36.7	190	ug/Kg
99-09-2	3-Nitroaniline	50.3	U	50.3	190	ug/Kg
83-32-9	Acenaphthene	23.3	U	23.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.8	U	24.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.8	U	54.8	190	ug/Kg
84-66-2	Diethylphthalate	30.9	U	30.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	29.2	190	ug/Kg
86-73-7	Fluorene	27.7	U	27.7	190	ug/Kg
100-01-6	4-Nitroaniline	70.2	U	70.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.0	U	36.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.4	U	30.4	190	ug/Kg
118-74-1	Hexachlorobenzene	27.7	U	27.7	190	ug/Kg
1912-24-9	Atrazine	37.2	U	37.2	190	ug/Kg
87-86-5	Pentachlorophenol	56.1	U	56.1	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.4	U	36.4	190	ug/Kg
86-74-8	Carbazole	34.1	U	34.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	190	ug/Kg
206-44-0	Fluoranthene	160	J	32.8	190	ug/Kg
129-00-0	Pyrene	110	J	39.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.0	UQ	78.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	40.1	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	U	25.1	190	ug/Kg
218-01-9	Chrysene	21.8	U	21.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	64.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.9	U	94.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.1	J	20.8	190	ug/Kg

Raw Data: **BF142826.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.5	U	24.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.2	U	32.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	31.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.0	U	30.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.1	U	28.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	28.0	190	ug/Kg
123-91-1	1,4-Dioxane	49.4	U	49.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.0	U	30.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.4		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.0		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.0		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53300	6.881			
1146-65-2	Naphthalene-d8	184000	8.163			
15067-26-2	Acenaphthene-d10	94400	9.922			
1517-22-2	Phenanthrene-d10	189000	11.41			
1719-03-5	Chrysene-d12	152000	14.051			
1520-96-3	Perylene-d12	103000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.09	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J		11.9	ug/Kg
1000406-04-7	Pentadecafluorooctanoic acid, hept	220	J		13.9	ug/Kg

Raw Data: **BF142826.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142823.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.4	U	34.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.1	U	43.1	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.3	U	47.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.5	U	54.5	92.0	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.7	U	37.7	200	ug/Kg
88-75-5	2-Nitrophenol	67.0	U	67.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.6	U	74.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.4	U	35.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.1	U	26.1	200	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	40.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.1	U	29.1	200	ug/Kg
105-60-2	Caprolactam	59.9	U	59.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.0	U	33.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.5	U	33.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.9	U	25.9	200	ug/Kg
88-74-4	2-Nitroaniline	55.3	U	55.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.2	U	31.2	200	ug/Kg

Raw Data: **BF142823.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.7	U	38.7	200	ug/Kg
99-09-2	3-Nitroaniline	52.9	U	52.9	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.9	U	37.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.0	U	32.0	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	59.0	U	59.0	380	ug/Kg
85-01-8	Phenanthrene	24.0	U	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.9	U	35.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.1	U	55.1	200	ug/Kg
206-44-0	Fluoranthene	34.5	U	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.1	UQ	82.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	UQ	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.1	U	68.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.9	U	99.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

Raw Data: **BF142823.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	33.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.0	U	52.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.1		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.8		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.6		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.5		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.0		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	30.0		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73700	6.881			
1146-65-2	Naphthalene-d8	263000	8.163			
15067-26-2	Acenaphthene-d10	131000	9.922			
1517-22-2	Phenanthrene-d10	234000	11.41			
1719-03-5	Chrysene-d12	228000	14.051			
1520-96-3	Perylene-d12	159000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	180	J		13.9	ug/Kg

Raw Data: **BF142823.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168601BL	PB168601BL	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	79.3	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	72.4	72		10	105
PB168601BS	PB168601BS	2-Fluorophenol	150	118	79		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	77.1	77		18	107
		2-Fluorobiphenyl	100	78.8	79		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	62.0	62		10	105
Q2393-01	PARK AVE -1	2-Fluorophenol	150	78.3	52		18	112
		Phenol-d6	150	84.3	56		15	107
		Nitrobenzene-d5	100	48.6	49		18	107
		2-Fluorobiphenyl	100	46.6	47		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	34.2	34		10	105
Q2393-03	PARK AVE -2	2-Fluorophenol	150	78.7	52		18	112
		Phenol-d6	150	86.0	57		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	42.7	43		20	109
		2,4,6-Tribromophenol	150	73.5	49		10	116
		Terphenyl-d14	100	32.6	33		10	105
Q2393-05	PARK AVE -3	2-Fluorophenol	150	66.2	44		18	112
		Phenol-d6	150	69.5	46		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	37.2	37		20	109
		2,4,6-Tribromophenol	150	82.8	55		10	116
		Terphenyl-d14	100	36.4	36		10	105
Q2393-07	PARK AVE -4	2-Fluorophenol	150	73.5	49		18	112
		Phenol-d6	150	73.2	49		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	46.4	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	38.2	38		10	105
Q2393-09	PARK AVE -5	2-Fluorophenol	150	69.4	46		18	112
		Phenol-d6	150	71.0	47		15	107
		Nitrobenzene-d5	100	43.0	43		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		2,4,6-Tribromophenol	150	85.8	57		10	116
		Terphenyl-d14	100	41.5	41		10	105
Q2393-11	PARK AVE -6	2-Fluorophenol	150	67.1	45		18	112
		Phenol-d6	150	67.8	45		15	107
		Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	35.5	35		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	30.0	30		10	105
Q2394-01MS	MH-K/LMS	2-Fluorophenol	150	94.0	63		18	112
		Phenol-d6	150	95.7	64		15	107
		Nitrobenzene-d5	100	60.3	60		18	107

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Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2394-01MS	MH-K/LMS	2-Fluorobiphenyl	100	58.9	59		20	109
		2,4,6-Tribromophenol	150	88.4	59		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q2394-01MSD	MH-K/LMSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	101	67		15	107
		Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	91.8	61		10	116
		Terphenyl-d14	100	39.9	40		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MS		**Client Sample ID: MH-K/LMS**						**DataFile: BF142843.D**			
Benzaldehyde	1200	0	850	ug/Kg	71				10	171	
Phenol	1200	0	910	ug/Kg	76				51	122	
bis(2-Chloroethyl)ether	1200	0	930	ug/Kg	78				54	125	
2-Chlorophenol	1200	0	940	ug/Kg	78				51	121	
2-Methylphenol	1200	0	930	ug/Kg	78				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	900	ug/Kg	75				46	119	
Acetophenone	1200	0	950	ug/Kg	79				55	128	
3+4-Methylphenols	1200	0	940	ug/Kg	78				49	125	
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79				59	119	
Hexachloroethane	1200	0	920	ug/Kg	77				51	116	
Nitrobenzene	1200	0	950	ug/Kg	79				47	124	
Isophorone	1200	0	940	ug/Kg	78				49	127	
2-Nitrophenol	1200	0	990	ug/Kg	83				43	131	
2,4-Dimethylphenol	1200	0	930	ug/Kg	78				63	151	
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79				51	119	
2,4-Dichlorophenol	1200	0	950	ug/Kg	79				50	122	
Naphthalene	1200	0	950	ug/Kg	79				51	121	
4-Chloroaniline	1200	0	270	ug/Kg	23				10	100	
Hexachlorobutadiene	1200	0	950	ug/Kg	79				44	126	
Caprolactam	1200	0	950	ug/Kg	79				51	134	
4-Chloro-3-methylphenol	1200	0	910	ug/Kg	76				57	132	
2-Methylnaphthalene	1200	0	940	ug/Kg	78				59	123	
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1200	0	950	ug/Kg	79				33	141	
2,4,5-Trichlorophenol	1200	0	940	ug/Kg	78				38	135	
1,1-Biphenyl	1200	0	970	ug/Kg	81				55	131	
2-Chloronaphthalene	1200	0	960	ug/Kg	80				48	124	
2-Nitroaniline	1200	0	920	ug/Kg	77				47	134	
Dimethylphthalate	1200	0	970	ug/Kg	81				54	120	
Acenaphthylene	1200	0	940	ug/Kg	78				57	125	
2,6-Dinitrotoluene	1200	0	960	ug/Kg	80				48	127	
3-Nitroaniline	1200	0	480	ug/Kg	40				10	112	
Acenaphthene	1200	0	1000	ug/Kg	83				70	121	
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70				10	155	
4-Nitrophenol	2300	0	1500	ug/Kg	65				10	175	
Dibenzofuran	1200	0	920	ug/Kg	77				52	114	
2,4-Dinitrotoluene	1200	0	910	ug/Kg	76				41	140	
Diethylphthalate	1200	0	950	ug/Kg	79				51	119	
4-Chlorophenyl-phenylether	1200	0	920	ug/Kg	77				48	122	
Fluorene	1200	0	900	ug/Kg	75				53	118	
4-Nitroaniline	1200	0	800	ug/Kg	67				29	140	
4,6-Dinitro-2-methylphenol	1200	0	950	ug/Kg	79				10	160	
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92				73	118	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200	0	1000	ug/Kg	83				67	118	
Atrazine	1200	0	1100	ug/Kg	92				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2300	0	1700	ug/Kg	74				13	153	
Phenanthrene	1200	0	950	ug/Kg	79				52	128	
Anthracene	1200	0	940	ug/Kg	78				62	124	
Carbazole	1200	0	860	ug/Kg	72				59	119	
Di-n-butylphthalate	1200	0	1000	ug/Kg	83				55	125	
Fluoranthene	1200	0	830	ug/Kg	69				44	125	
Pyrene	1200	0	620	ug/Kg	52				37	122	
Butylbenzylphthalate	1200	0	930	ug/Kg	78				44	135	
3,3-Dichlorobenzidine	1200	0	380	ug/Kg	32				15	112	
Benzo(a)anthracene	1200	0	960	ug/Kg	80				53	119	
Chrysene	1200	0	990	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1000	ug/Kg	83				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				51	156	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				52	117	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200	0	1000	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	560	ug/Kg	47				40	129	
Dibenz(a,h)anthracene	1200	0	570	ug/Kg	48				43	123	
Benzo(g,h,i)perylene	1200	0	490	ug/Kg	41				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	980	ug/Kg	82				52	134	
1,4-Dioxane	1200	0	820	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	870	ug/Kg	73				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MSD		**Client Sample ID: MH-K/LMSD**						**DataFile: BF142844.D**			
Benzaldehyde	1200	0	900	ug/Kg	75		5		10	171	20
Phenol	1200	0	950	ug/Kg	79		4		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		6		54	125	20
2-Chlorophenol	1200	0	990	ug/Kg	83		6		51	121	20
2-Methylphenol	1200	0	980	ug/Kg	82		5		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	950	ug/Kg	79		5		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		5		55	128	20
3+4-Methylphenols	1200	0	980	ug/Kg	82		5		49	125	20
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83		5		59	119	20
Hexachloroethane	1200	0	990	ug/Kg	83		8		51	116	20
Nitrobenzene	1200	0	990	ug/Kg	83		5		47	124	20
Isophorone	1200	0	990	ug/Kg	83		6		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		10		43	131	20
2,4-Dimethylphenol	1200	0	970	ug/Kg	81		4		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		5		51	119	20
2,4-Dichlorophenol	1200	0	990	ug/Kg	83		5		50	122	20
Naphthalene	1200	0	980	ug/Kg	82		4		51	121	20
4-Chloroaniline	1200	0	270	ug/Kg	23		0		10	100	20
Hexachlorobutadiene	1200	0	990	ug/Kg	83		5		44	126	20
Caprolactam	1200	0	990	ug/Kg	83		5		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		6		57	132	20
2-Methylnaphthalene	1200	0	990	ug/Kg	83		6		59	123	20
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		6		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		5		33	141	20
2,4,5-Trichlorophenol	1200	0	990	ug/Kg	83		6		38	135	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		2		55	131	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		4		48	124	20
2-Nitroaniline	1200	0	990	ug/Kg	83		8		47	134	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		2		54	120	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		57	125	20
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83		4		48	127	20
3-Nitroaniline	1200	0	470	ug/Kg	39		3		10	112	20
Acenaphthene	1200	0	1000	ug/Kg	83		0		70	121	20
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70		0		10	155	20
4-Nitrophenol	2300	0	1600	ug/Kg	70		7		10	175	20
Dibenzofuran	1200	0	970	ug/Kg	81		5		52	114	20
2,4-Dinitrotoluene	1200	0	960	ug/Kg	80		5		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		5		51	119	20
4-Chlorophenyl-phenylether	1200	0	970	ug/Kg	81		5		48	122	20
Fluorene	1200	0	940	ug/Kg	78		4		53	118	20
4-Nitroaniline	1200	0	830	ug/Kg	69		3		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1000	ug/Kg	83		5		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		8		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		10		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78		5		13	153	20
Phenanthrene	1200	0	1000	ug/Kg	83		5		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		6		62	124	20
Carbazole	1200	0	920	ug/Kg	77		7		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		10		55	125	20
Fluoranthene	1200	0	890	ug/Kg	74		7		44	125	20
Pyrene	1200	0	650	ug/Kg	54		4		37	122	20
Butylbenzylphthalate	1200	0	980	ug/Kg	82		5		44	135	20
3,3-Dichlorobenzidine	1200	0	390	ug/Kg	33		3		15	112	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83		4		53	119	20
Chrysene	1200	0	1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92		10		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		51	156	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92		10		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		10		57	134	20
Benzo(a)pyrene	1200	0	1000	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	580	ug/Kg	48		2		40	129	20
Dibenz(a,h)anthracene	1200	0	580	ug/Kg	48		0		43	123	20
Benzo(g,h,i)perylene	1200	0	500	ug/Kg	42		2		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		1		52	134	20
1,4-Dioxane	1200	0	860	ug/Kg	72		6		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	900	ug/Kg	75		3		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168601BS	Benzaldehyde	1700	1300	ug/Kg	76				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	560	ug/Kg	33				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168601BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	660	ug/Kg	39		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168601BL

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142838.D Lab Sample ID: PB168601BL

Instrument ID: BNA_F Date Extracted: 06/24/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/25/2025

Level: (low/med) LOW Time Analyzed: 15:26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168601BS	PB168601BS	BF142839.D	06/25/2025
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142787.D DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142810.D DFTPP Injection Date: 06/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142811.D	06/24/2025	10:16
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025	17:01
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025	17:33
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025	18:03
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025	18:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142833.D DFTPP Injection Date: 06/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142834.D	06/25/2025	13:25
PB168601BL	PB168601BL	BF142838.D	06/25/2025	15:26
PB168601BS	PB168601BS	BF142839.D	06/25/2025	15:57
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025	16:32
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025	17:02
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025	18:04
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025	18:35

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	88364	6.88	335549	8.16	179366	9.92
	UPPER LIMIT	176728	7.38	671098	8.663	358732	10.421
	LOWER LIMIT	44182	6.38	167775	7.663	89683	9.421
	EPA SAMPLE NO.						
01	PARK AVE -3	63043	6.88	226294	8.16	112057	9.92
02	PARK AVE -4	62168	6.88	204115	8.16	93623	9.92
03	PARK AVE -5	53337	6.88	183629	8.16	94380	9.92
04	PARK AVE -6	73650	6.88	263416	8.16	131114	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	300319	11.41	163667	14.056	187854	15.545
	UPPER LIMIT	600638	11.91	327334	14.556	375708	16.045
	LOWER LIMIT	150160	10.91	81833.5	13.556	93927	15.045
	EPA SAMPLE NO.						
01	PARK AVE -3	215299	11.41	191648	14.05	128238	15.55
02	PARK AVE -4	176025	11.41	164289	14.05	108830	15.55
03	PARK AVE -5	188653	11.41	152475	14.05	103394	15.55
04	PARK AVE -6	233515	11.41	228217	14.05	158913	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	62666	6.881	217016	8.16	105351	9.92
	UPPER LIMIT	125332	7.381	434032	8.663	210702	10.422
	LOWER LIMIT	31333	6.381	108508	7.663	52675.5	9.422
	EPA SAMPLE NO.						
01	PB168601BL	81390	6.88	310420	8.16	163008	9.92
02	PB168601BS	75779	6.88	274808	8.16	132637	9.92
03	PARK AVE -1	78743	6.88	299716	8.16	152673	9.92
04	PARK AVE -2	79690	6.88	305909	8.16	156047	9.92
05	MH-K/LMS	88519	6.88	329491	8.16	165682	9.92
06	MH-K/LMSD	86832	6.88	327352	8.16	161732	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	165051	11.41	130450	14.057	161869	15.551
	UPPER LIMIT	330102	11.91	260900	14.557	323738	16.051
	LOWER LIMIT	82525.5	10.91	65225	13.557	80934.5	15.051
	EPA SAMPLE NO.						
01	PB168601BL	283770	11.40	173595	14.05	178625	15.54
02	PB168601BS	201072	11.41	147361	14.06	184315	15.55
03	PARK AVE -1	208414	11.40	153326	14.05	177028	15.55
04	PARK AVE -2	222655	11.40	158233	14.05	179947	15.55
05	MH-K/LMS	227501	11.41	165966	14.06	197780	15.55
06	MH-K/LMSD	216826	11.41	166084	14.06	195276	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Raw Data: **BF142838.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Raw Data: **BF142838.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		18 - 112	83%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		10 - 116	86%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81400	6.875			
1146-65-2	Naphthalene-d8	310000	8.157			
15067-26-2	Acenaphthene-d10	163000	9.916			
1517-22-2	Phenanthrene-d10	284000	11.404			
1719-03-5	Chrysene-d12	174000	14.051			
1520-96-3	Perylene-d12	179000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A		5.11	ug/Kg

Raw Data: **BF142838.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142839.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	560		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BF142839.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1200		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Raw Data: **BF142839.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.1		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	62.0		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75800	6.875			
1146-65-2	Naphthalene-d8	275000	8.163			
15067-26-2	Acenaphthene-d10	133000	9.922			
1517-22-2	Phenanthrene-d10	201000	11.41			
1719-03-5	Chrysene-d12	147000	14.057			
1520-96-3	Perylene-d12	184000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF142843.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		110	230	ug/Kg
108-95-2	Phenol	910		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	940		16.9	120	ug/Kg
95-48-7	2-Methylphenol	930		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		26.0	120	ug/Kg
98-86-2	Acetophenone	950		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		32.9	55.6	ug/Kg
67-72-1	Hexachloroethane	920		12.2	120	ug/Kg
98-95-3	Nitrobenzene	950		12.7	120	ug/Kg
78-59-1	Isophorone	940		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	990		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	930		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		19.7	120	ug/Kg
91-20-3	Naphthalene	950		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		17.6	120	ug/Kg
105-60-2	Caprolactam	950		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	940		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800		80.6	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		13.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	970		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	960		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	920		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	970		18.8	120	ug/Kg

Raw Data: **BF142843.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1500		74.3	230	ug/Kg
132-64-9	Dibenzofuran	920		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	910		34.8	120	ug/Kg
84-66-2	Diethylphthalate	950		19.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		18.5	120	ug/Kg
86-73-7	Fluorene	900		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	800		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	950		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1700		35.6	230	ug/Kg
85-01-8	Phenanthrene	950		14.5	120	ug/Kg
120-12-7	Anthracene	940		23.1	120	ug/Kg
86-74-8	Carbazole	860		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		33.3	120	ug/Kg
206-44-0	Fluoranthene	830		20.8	120	ug/Kg
129-00-0	Pyrene	620		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	960		16.0	120	ug/Kg
218-01-9	Chrysene	990		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.2	120	ug/Kg

Raw Data: **BF142843.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490		17.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	820		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	95.7		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88500	6.875			
1146-65-2	Naphthalene-d8	329000	8.163			
15067-26-2	Acenaphthene-d10	166000	9.922			
1517-22-2	Phenanthrene-d10	228000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	198000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900		110	230	ug/Kg
108-95-2	Phenol	950		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.9	120	ug/Kg
95-48-7	2-Methylphenol	980		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		26.0	120	ug/Kg
98-86-2	Acetophenone	1000		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	980		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.9	55.5	ug/Kg
67-72-1	Hexachloroethane	990		12.2	120	ug/Kg
98-95-3	Nitrobenzene	990		12.7	120	ug/Kg
78-59-1	Isophorone	990		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	1100		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.6	120	ug/Kg
91-20-3	Naphthalene	980		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.6	120	ug/Kg
105-60-2	Caprolactam	990		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	80.5	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	990		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.8	120	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	470		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1600		74.3	230	ug/Kg
132-64-9	Dibenzofuran	970		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		34.8	120	ug/Kg
84-66-2	Diethylphthalate	1000		19.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		18.5	120	ug/Kg
86-73-7	Fluorene	940		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	830		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		35.6	230	ug/Kg
85-01-8	Phenanthrene	1000		14.5	120	ug/Kg
120-12-7	Anthracene	1000		23.1	120	ug/Kg
86-74-8	Carbazole	920		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		33.3	120	ug/Kg
206-44-0	Fluoranthene	890		20.8	120	ug/Kg
129-00-0	Pyrene	650		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	980		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		16.0	120	ug/Kg
218-01-9	Chrysene	1000		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		13.2	120	ug/Kg

Raw Data: **BF142844.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	580		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500		17.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	860		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.8		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86800	6.875			
1146-65-2	Naphthalene-d8	327000	8.163			
15067-26-2	Acenaphthene-d10	162000	9.922			
1517-22-2	Phenanthrene-d10	217000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	195000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.291		7.5	
Benzaldehyde	0.841	0.794		-5.6	
Phenol-d6	1.417	1.525		7.6	
Phenol	1.575	1.704		8.2	20.0
bis(2-Chloroethyl)ether	1.126	1.218		8.2	
2-Chlorophenol	1.296	1.398		7.9	
2-Methylphenol	0.982	1.064		8.4	
2,2-oxybis(1-Chloropropane)	1.809	1.882		4.0	
Acetophenone	0.441	0.464		5.2	
3+4-Methylphenols	1.224	1.330		8.7	
n-Nitroso-di-n-propylamine	0.824	0.878	0.050	6.6	
Nitrobenzene-d5	0.365	0.392		7.4	
Hexachloroethane	0.511	0.538		5.3	
Nitrobenzene	0.330	0.354		7.3	
Isophorone	0.585	0.629		7.5	
2-Nitrophenol	0.180	0.200		11.1	20.0
2,4-Dimethylphenol	0.311	0.334		7.4	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.303		7.4	20.0
Naphthalene	0.979	1.037		5.9	
4-Chloroaniline	0.398	0.430		8.0	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.089		18.7	
4-Chloro-3-methylphenol	0.281	0.306		8.9	20.0
2-Methylnaphthalene	0.607	0.642		5.8	
Hexachlorocyclopentadiene	0.335	0.363	0.050	8.4	
2,4,6-Trichlorophenol	0.385	0.402		4.4	20.0
2-Fluorobiphenyl	1.522	1.513		-0.6	
2,4,5-Trichlorophenol	0.405	0.431		6.4	
1,1-Biphenyl	1.580	1.627		3.0	
2-Chloronaphthalene	1.186	1.226		3.4	
2-Nitroaniline	0.332	0.365		9.9	
Dimethylphthalate	1.295	1.370		5.8	
Acenaphthylene	1.952	2.032		4.1	
2,6-Dinitrotoluene	0.284	0.307		8.1	
3-Nitroaniline	0.313	0.349		11.5	
Acenaphthene	1.191	1.256		5.5	20.0
2,4-Dinitrophenol	0.142	0.166	0.050	16.9	
4-Nitrophenol	0.214	0.246	0.050	15.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.783		4.4	
2,4-Dinitrotoluene	0.378	0.420		11.1	
Diethylphthalate	1.269	1.361		7.3	
4-Chlorophenyl-phenylether	0.636	0.648		1.9	
Fluorene	1.334	1.373		2.9	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.138		14.1	
n-Nitrosodiphenylamine	0.693	0.711		2.6	20.0
2,4,6-Tribromophenol	0.206	0.220		6.8	
4-Bromophenyl-phenylether	0.228	0.240		5.3	
Hexachlorobenzene	0.253	0.264		4.3	
Atrazine	0.179	0.199		11.2	
Pentachlorophenol	0.126	0.142		12.7	20.0
Phenanthrene	1.083	1.122		3.6	
Anthracene	1.111	1.145		3.1	
Carbazole	0.959	1.009		5.2	
Di-n-butylphthalate	0.999	1.075		7.6	
Fluoranthene	1.028	1.044		1.6	20.0
Pyrene	1.875	1.902		1.4	
Terphenyl-d14	1.447	1.406		-2.8	
Butylbenzylphthalate	0.544	0.587		7.9	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo(a)anthracene	1.349	1.414		4.8	
Chrysene	1.204	1.284		6.6	
Bis(2-ethylhexyl)phthalate	0.782	0.826		5.6	
Di-n-octyl phthalate	1.475	1.519		3.0	20.0
Benzo(b)fluoranthene	1.157	1.271		9.9	
Benzo(k)fluoranthene	1.083	1.127		4.1	
Benzo(a)pyrene	1.118	1.198		7.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.575		3.4	
Dibenzo(a,h)anthracene	1.238	1.269		2.5	
Benzo(g,h,i)perylene	1.234	1.268		2.8	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.520		8.3	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.344		5.5	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.310		9.1	
Benzaldehyde	0.841	1.601		90.4	
Phenol-d6	1.417	1.498		5.7	
Phenol	1.575	1.609		2.2	20.0
bis(2-Chloroethyl)ether	1.126	1.187		5.4	
2-Chlorophenol	1.296	1.378		6.3	
2-Methylphenol	0.982	0.980		-0.2	
2,2-oxybis(1-Chloropropane)	1.809	1.824		0.8	
Acetophenone	0.441	0.485		10.0	
3+4-Methylphenols	1.224	1.248		2.0	
n-Nitroso-di-n-propylamine	0.824	0.810	0.050	-1.7	
Nitrobenzene-d5	0.365	0.429		17.5	
Hexachloroethane	0.511	0.536		4.9	
Nitrobenzene	0.330	0.360		9.1	
Isophorone	0.585	0.564		-3.6	
2-Nitrophenol	0.180	0.204		13.3	20.0
2,4-Dimethylphenol	0.311	0.255		-18.0	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.314		11.3	20.0
Naphthalene	0.979	1.102		12.6	
4-Chloroaniline	0.398	0.363		-8.8	
Hexachlorobutadiene	0.190	0.213		12.1	20.0
Caprolactam	0.075	0.076		1.3	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.706		16.3	
Hexachlorocyclopentadiene	0.335	0.399	0.050	19.1	
2,4,6-Trichlorophenol	0.385	0.433		12.5	20.0
2-Fluorobiphenyl	1.522	1.796		18.0	
2,4,5-Trichlorophenol	0.405	0.455		12.3	
1,1-Biphenyl	1.580	1.785		13.0	
2-Chloronaphthalene	1.186	1.311		10.5	
2-Nitroaniline	0.332	0.349		5.1	
Dimethylphthalate	1.295	1.402		8.3	
Acenaphthylene	1.952	2.014		3.2	
2,6-Dinitrotoluene	0.284	0.309		8.8	
3-Nitroaniline	0.313	0.321		2.6	
Acenaphthene	1.191	1.337		12.3	20.0
2,4-Dinitrophenol	0.142	0.160	0.050	12.7	
4-Nitrophenol	0.214	0.227	0.050	6.1	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.910		11.8	
2,4-Dinitrotoluene	0.378	0.393		4.0	
Diethylphthalate	1.269	1.419		11.8	
4-Chlorophenyl-phenylether	0.636	0.688		8.2	
Fluorene	1.334	1.434		7.5	
4-Nitroaniline	0.286	0.307		7.3	
4,6-Dinitro-2-methylphenol	0.121	0.133		9.9	
n-Nitrosodiphenylamine	0.693	0.758		9.4	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.259		13.6	
Hexachlorobenzene	0.253	0.277		9.5	
Atrazine	0.179	0.201		12.3	
Pentachlorophenol	0.126	0.150		19.0	20.0
Phenanthrene	1.083	1.190		9.9	
Anthracene	1.111	1.171		5.4	
Carbazole	0.959	1.070		11.6	
Di-n-butylphthalate	0.999	1.304		30.5	
Fluoranthene	1.028	1.225		19.2	20.0
Pyrene	1.875	1.558		-16.9	
Terphenyl-d14	1.447	1.279		-11.6	
Butylbenzylphthalate	0.544	0.670		23.2	
3,3-Dichlorobenzidine	0.438	0.471		7.5	
Benzo(a)anthracene	1.349	1.494		10.7	
Chrysene	1.204	1.301		8.1	
Bis(2-ethylhexyl)phthalate	0.782	1.016		29.9	
Di-n-octyl phthalate	1.475	1.826		23.8	20.0
Benzo(b)fluoranthene	1.157	1.366		18.1	
Benzo(k)fluoranthene	1.083	1.131		4.4	
Benzo(a)pyrene	1.118	1.144		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.533		0.7	
Dibenzo(a,h)anthracene	1.238	1.245		0.6	
Benzo(g,h,i)perylene	1.234	1.274		3.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.700		18.6	
1,4-Dioxane	0.480	0.501		4.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.363		11.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

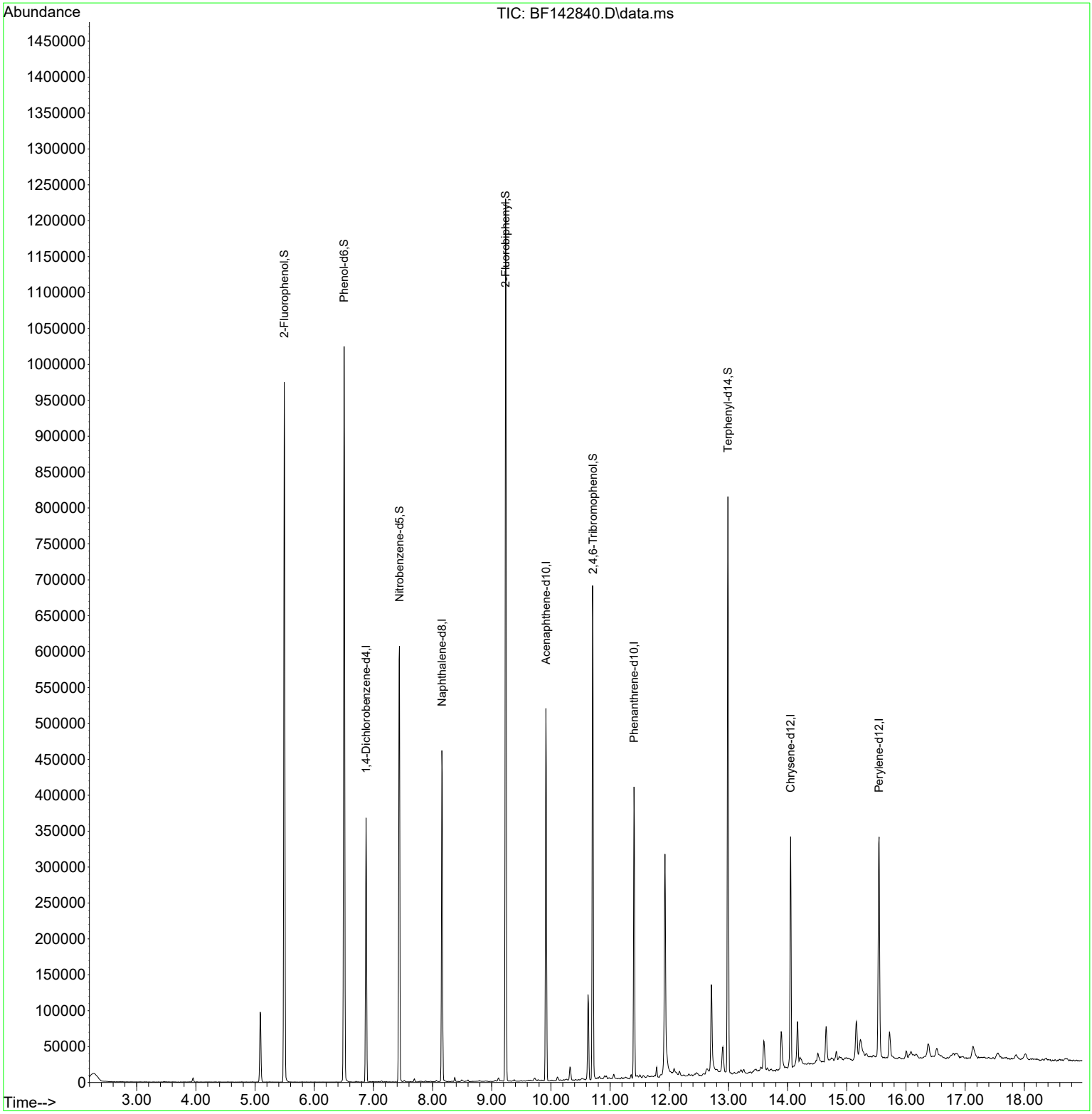
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	78743	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	299716	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	152673	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	208414	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153326	20.000	ng	0.00
86) Perylene-d12	15.545	264	177028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	370364	78.309	ng	0.00
7) Phenol-d6	6.504	99	470207	84.268	ng	0.00
23) Nitrobenzene-d5	7.439	82	265474	48.584	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	116049	73.864	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	541959	46.633	ng	-0.01
79) Terphenyl-d14	12.992	244	379288	34.180	ng	0.00
Target Compounds						Qvalue

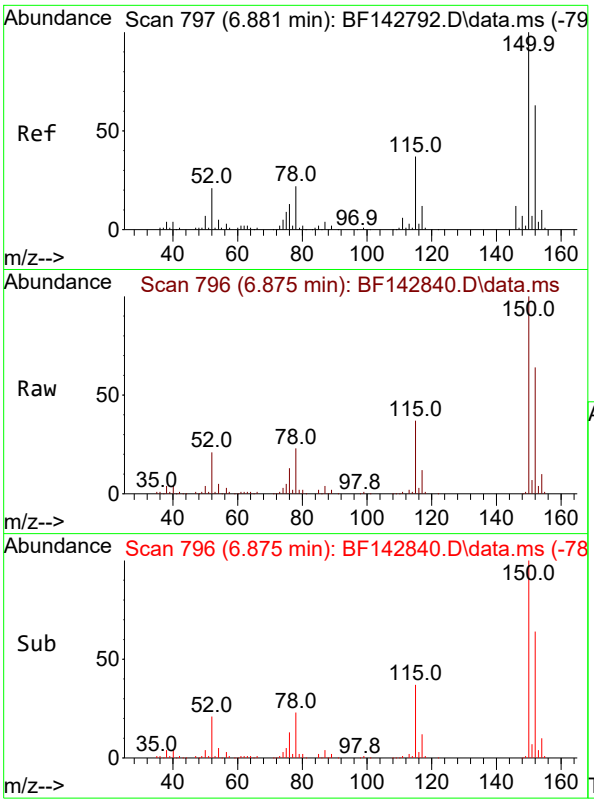
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



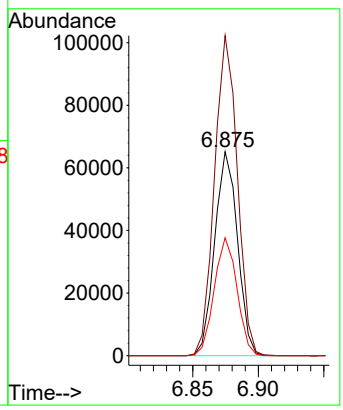


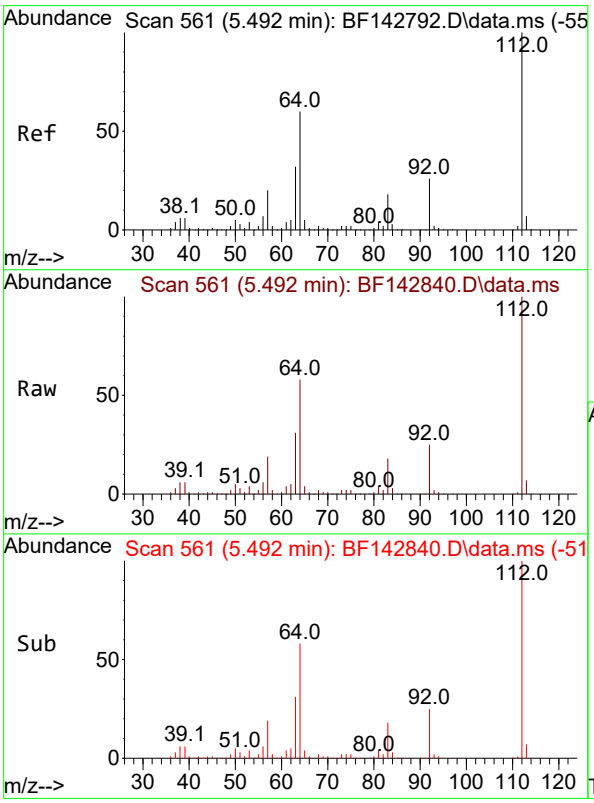
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:152 Resp: 78743

Ion	Ratio	Lower	Upper
152	100		
150	156.9	127.2	190.8
115	57.8	46.6	69.8

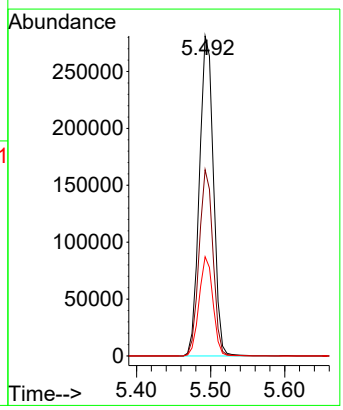


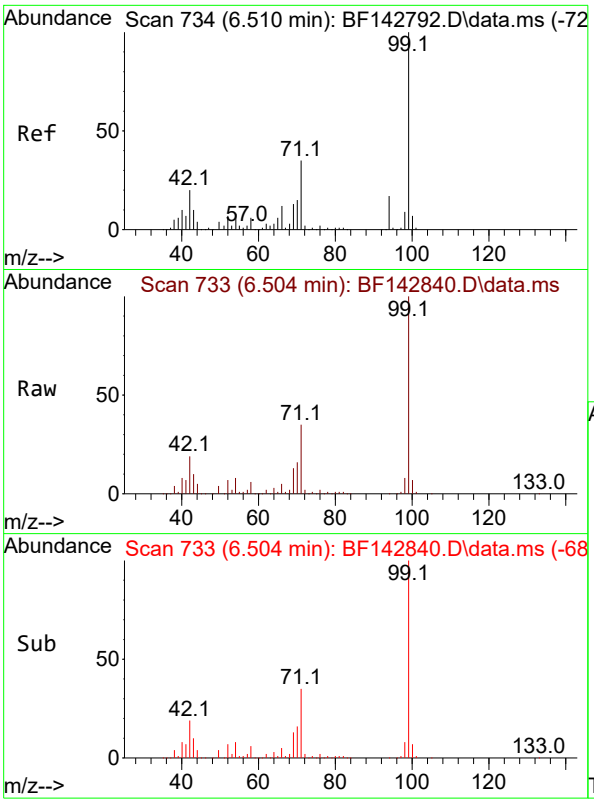


#5
2-Fluorophenol
Concen: 78.309 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:112 Resp: 370364

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	31.0	25.7	38.5



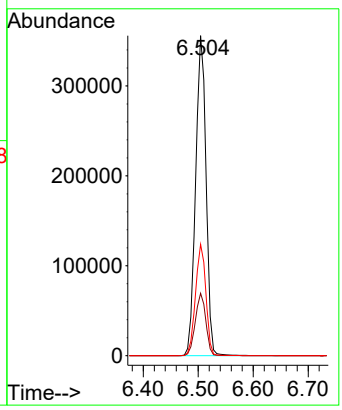


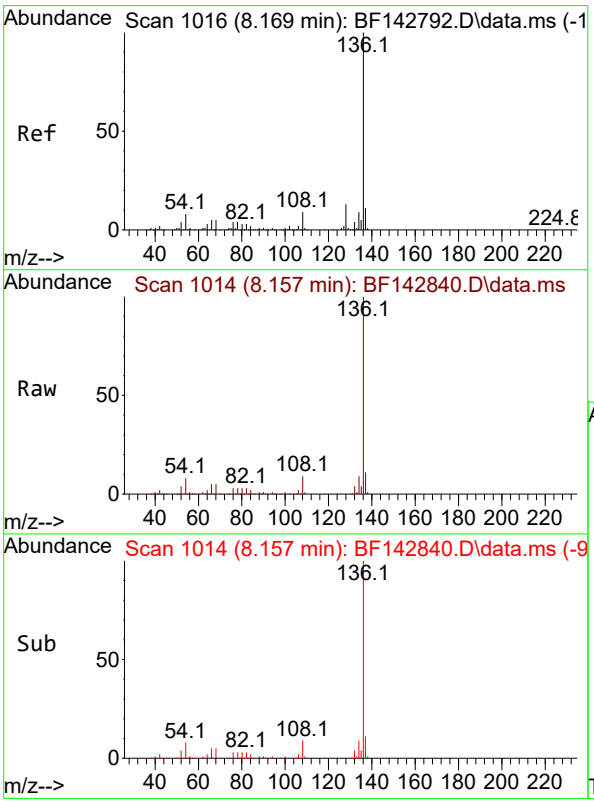
#7
Phenol-d6
Concen: 84.268 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion: 99 Resp: 470207

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.8	27.8	41.8

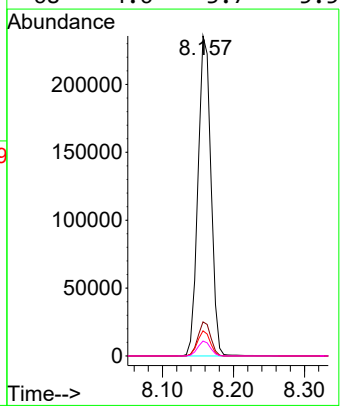


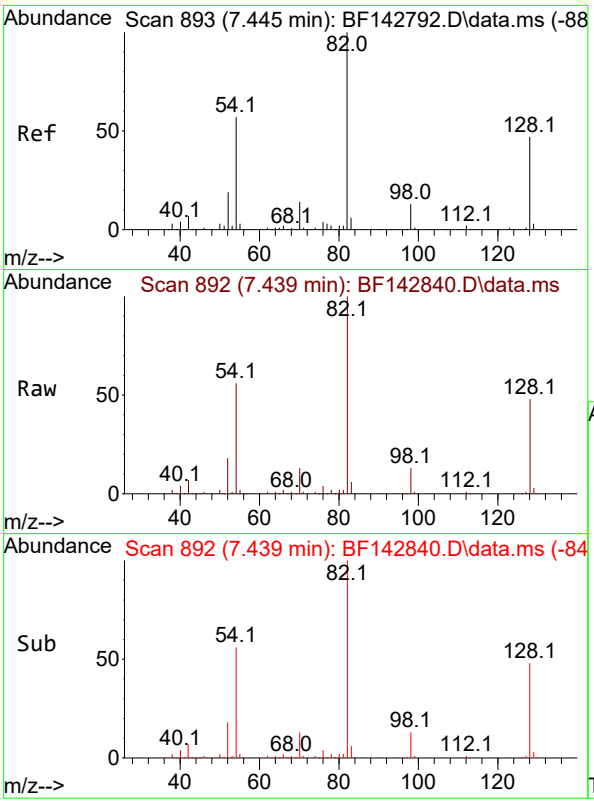


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:136 Resp: 299716

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5



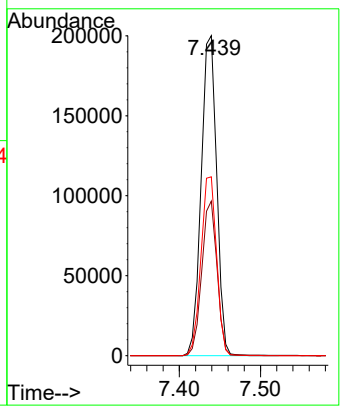


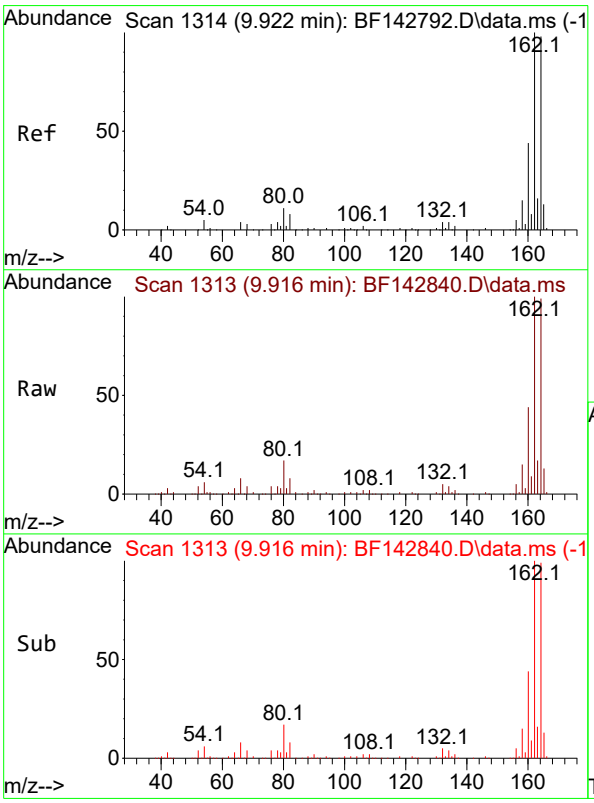
#23
Nitrobenzene-d5
Concen: 48.584 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion: 82 Resp: 265474

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

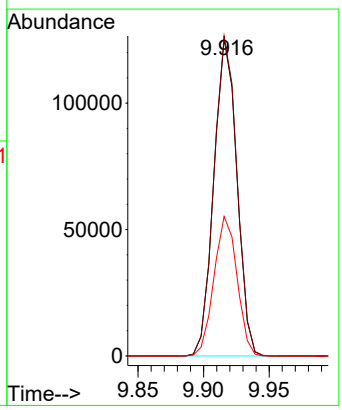


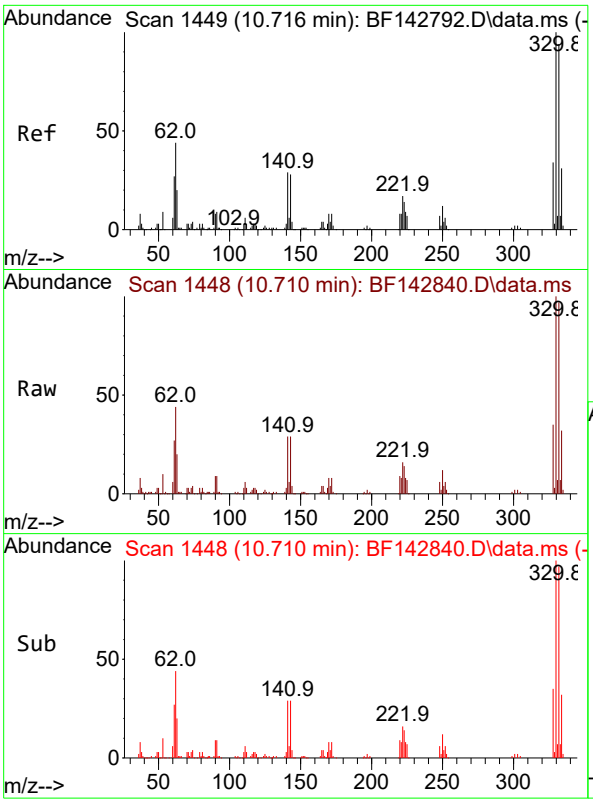


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:164 Resp: 152673

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.8
160	44.0	36.0	54.0



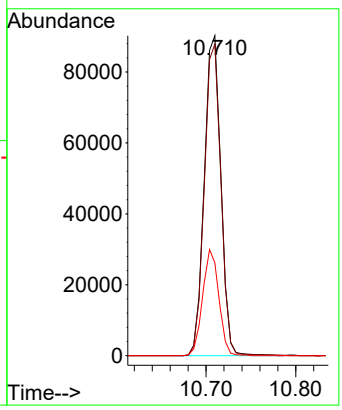


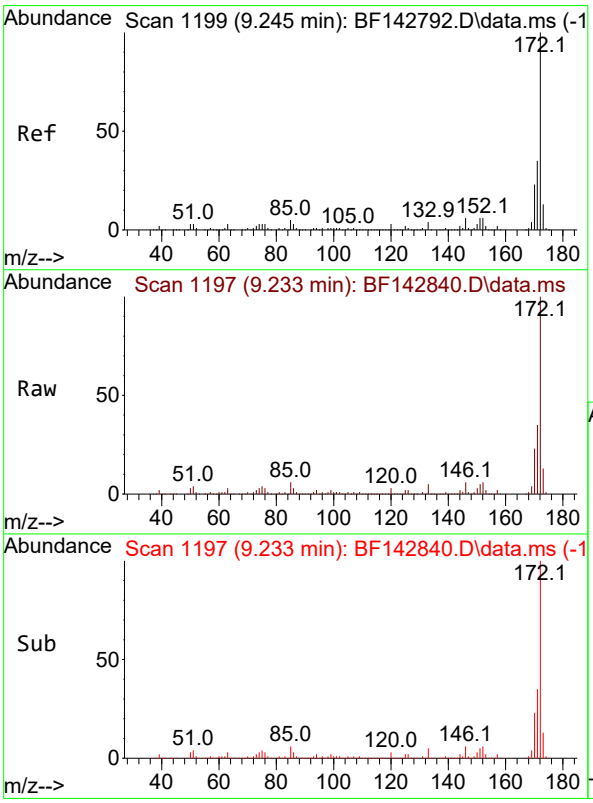
#42
2,4,6-Tribromophenol
Concen: 73.864 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:330 Resp: 116049

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	32.3	25.3	37.9

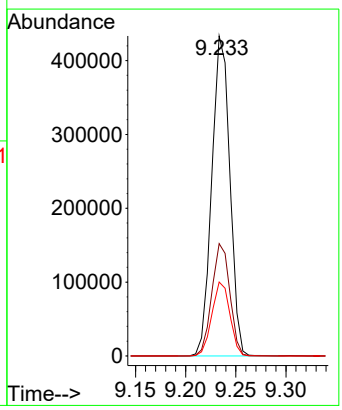


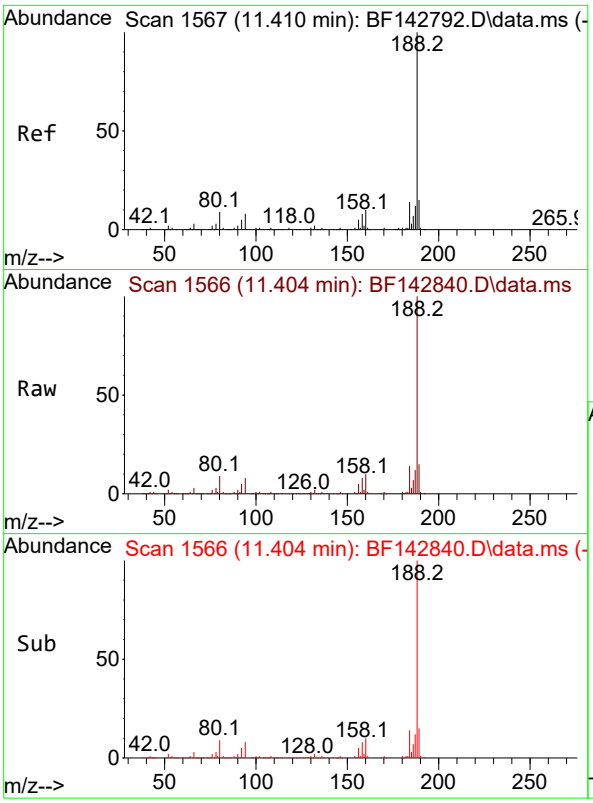


#45
2-Fluorobiphenyl
Concen: 46.633 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:172 Resp: 541959

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



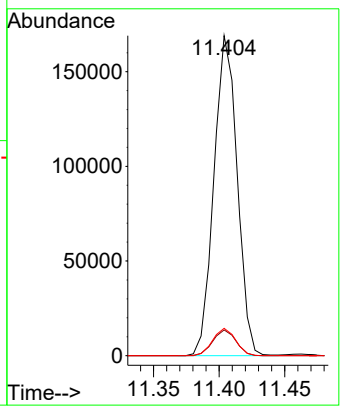


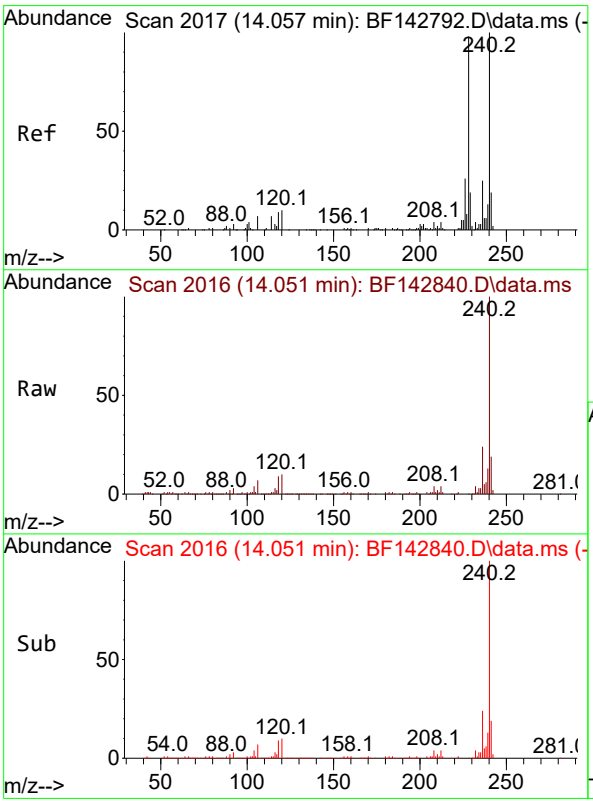
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:188 Resp: 208414

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	8.6	6.9	10.3

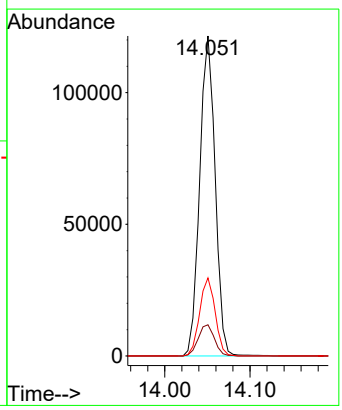


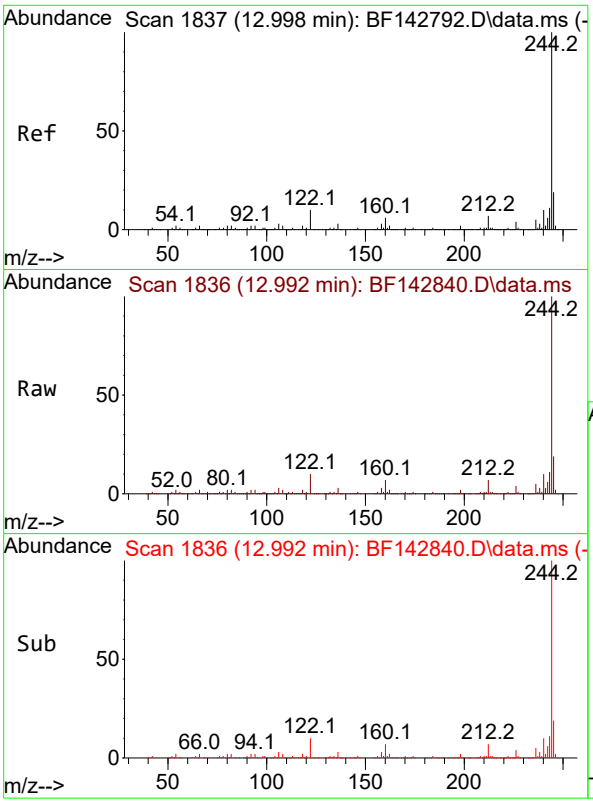


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:240 Resp: 153326

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	24.4	19.8	29.8



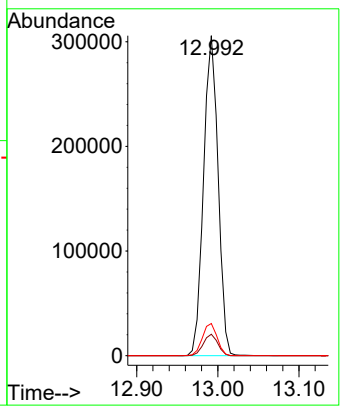


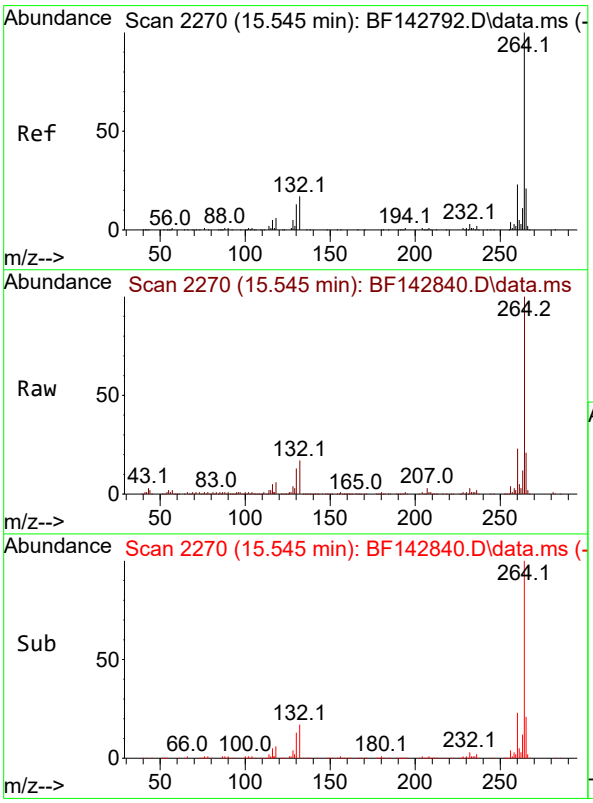
#79
Terphenyl-d14
Concen: 34.180 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Tgt Ion:244 Resp: 379288

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	8.2	12.2

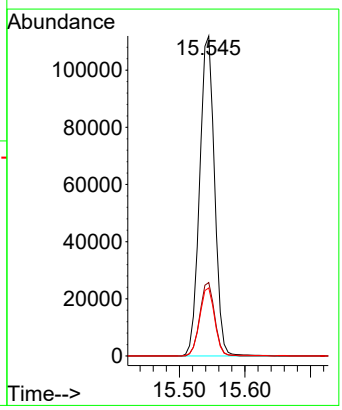




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:264 Resp: 177028

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	21.3	16.6	25.0



Sample Results: **BF142840.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	500	rBV	97460	142817	9.38%	1.221%
2	5.492	556	561	573	rBV	974631	1267910	83.28%	10.836%
3	6.504	727	733	748	rVB	1024037	1357271	89.15%	11.600%
4	6.875	791	796	801	rBV	367671	441449	28.99%	3.773%
5	7.439	886	892	897	rBV	607079	804079	52.81%	6.872%
6	8.157	1009	1014	1019	rBV	460681	579504	38.06%	4.953%
7	9.233	1192	1197	1202	rBV	1227968	1522508	100.00%	13.012%
8	9.916	1308	1313	1318	rBV	518311	632059	41.51%	5.402%
9	10.322	1376	1382	1388	rBV2	18286	29015	1.91%	0.248%
10	10.627	1426	1434	1442	rVB	118771	155225	10.20%	1.327%
11	10.704	1442	1447	1457	rBV	688340	885444	58.16%	7.567%
12	11.404	1561	1566	1572	rBV	405657	502413	33.00%	4.294%
13	11.786	1627	1631	1635	rVB2	13594	16963	1.11%	0.145%
14	11.927	1646	1655	1676	rBV2	307102	539591	35.44%	4.612%
15	12.080	1678	1681	1693	rVB9	8484	19248	1.26%	0.164%
16	12.639	1770	1776	1781	rBV8	7402	20970	1.38%	0.179%
17	12.710	1782	1788	1801	rVV	121190	213902	14.05%	1.828%
18	12.904	1815	1821	1829	rVB	34727	68591	4.51%	0.586%
19	12.992	1831	1836	1841	rVB	801381	995379	65.38%	8.507%
20	13.598	1934	1939	1946	rVB	40254	70904	4.66%	0.606%
21	13.892	1984	1989	1999	rBV	52234	97204	6.38%	0.831%
22	14.051	2008	2016	2022	rBV	321946	416711	27.37%	3.561%
23	14.168	2030	2036	2040	rBV	56624	86551	5.68%	0.740%
24	14.510	2091	2094	2105	rVB2	12299	26028	1.71%	0.222%
25	14.651	2113	2118	2125	rBV	49302	90582	5.95%	0.774%
26	15.162	2199	2205	2211	rBV	49196	98520	6.47%	0.842%
27	15.545	2264	2270	2281	rVB	307551	508420	33.39%	4.345%
28	15.721	2295	2300	2307	rBV	34771	66542	4.37%	0.569%
29	16.374	2407	2411	2421	rVB2	18046	45150	2.97%	0.386%

Sum of corrected areas: 11700950

Sample Results: **BF142840.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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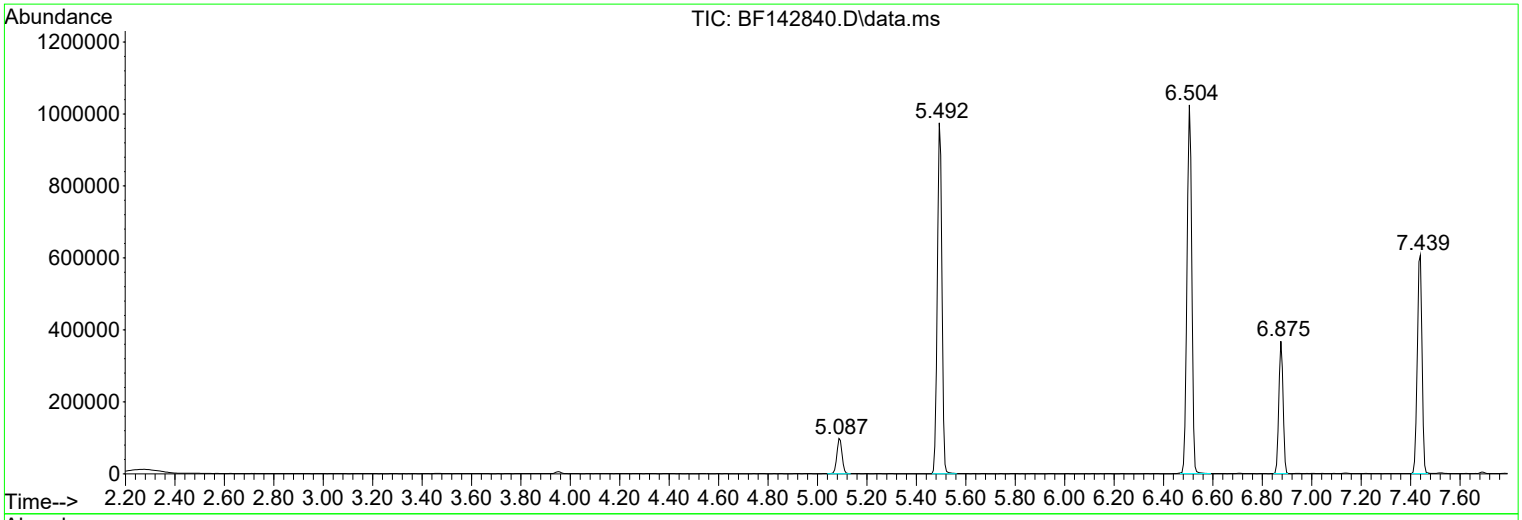

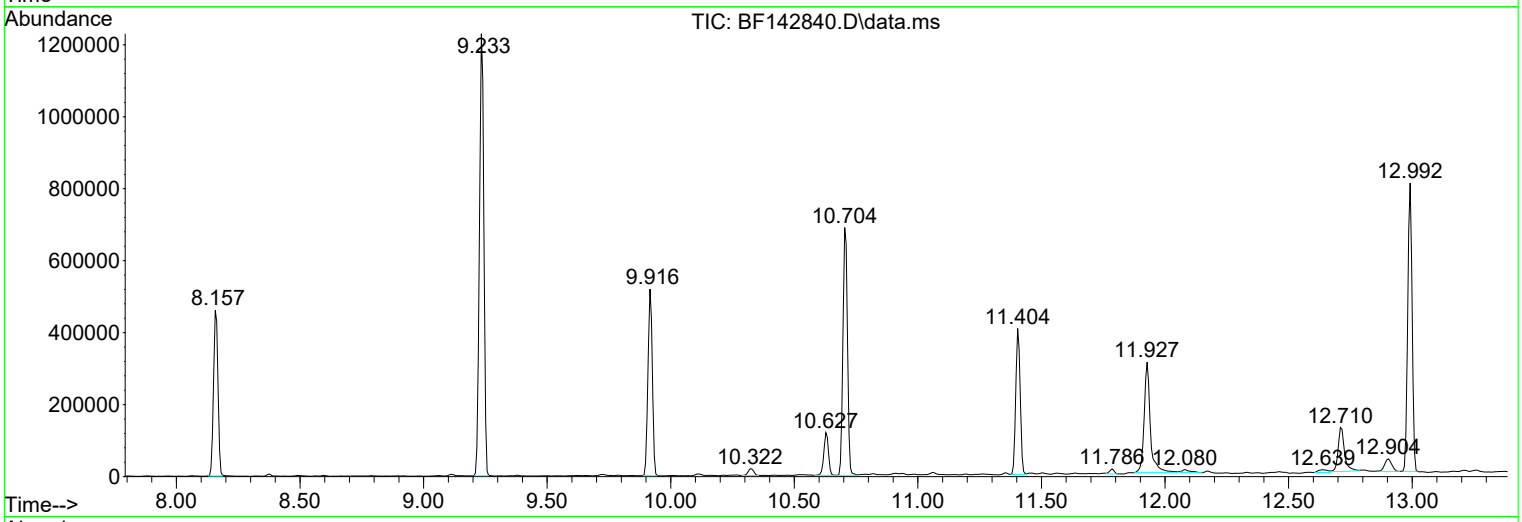

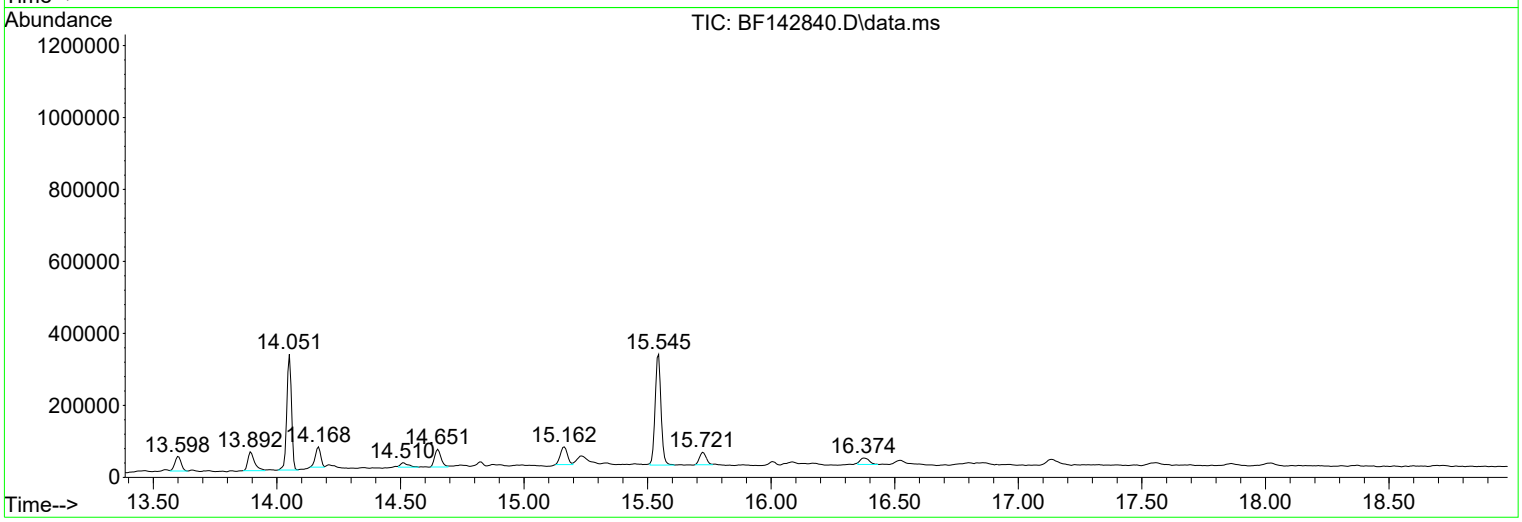

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Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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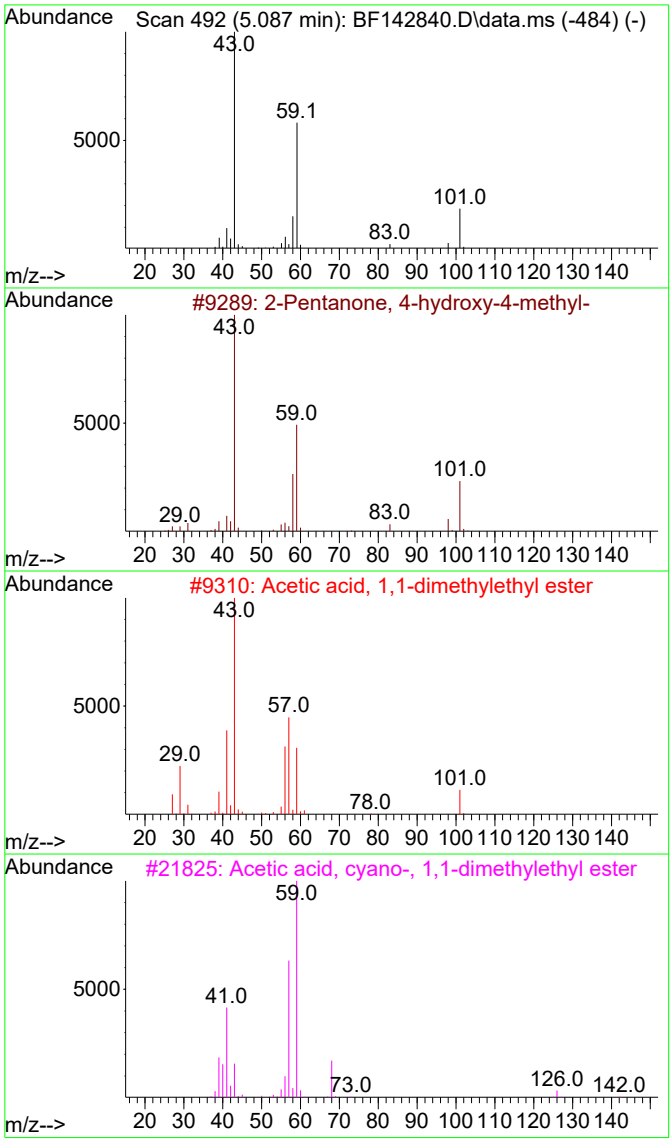
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

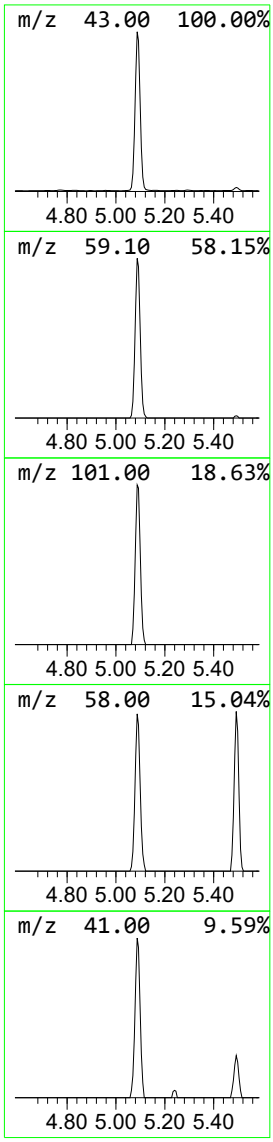
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.47 ng	142817	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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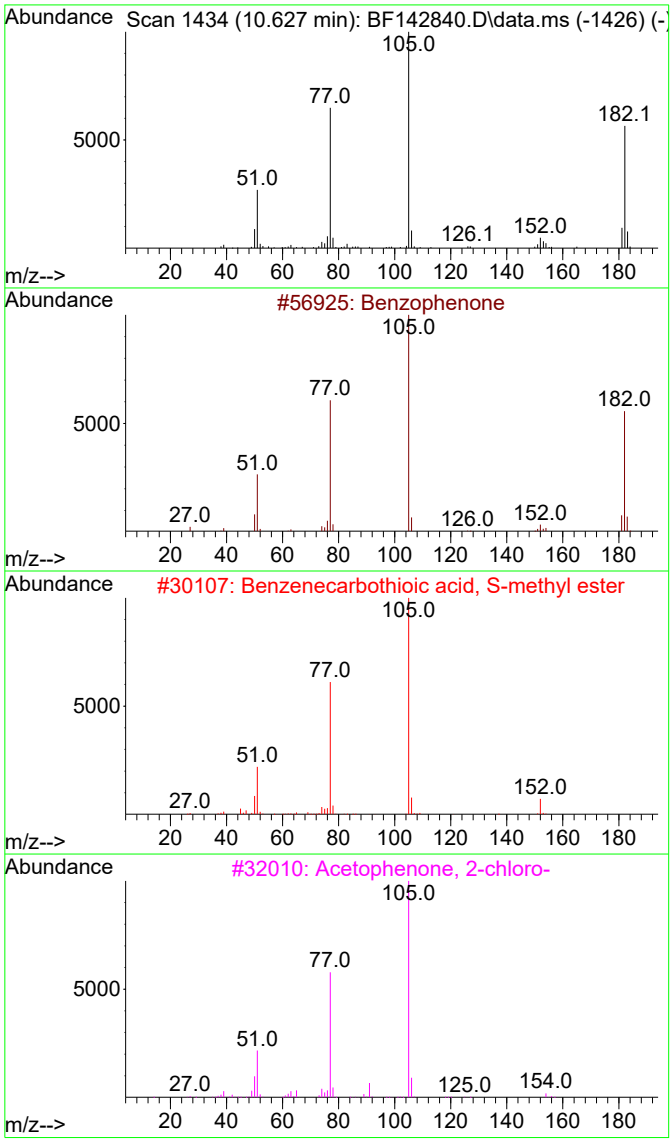
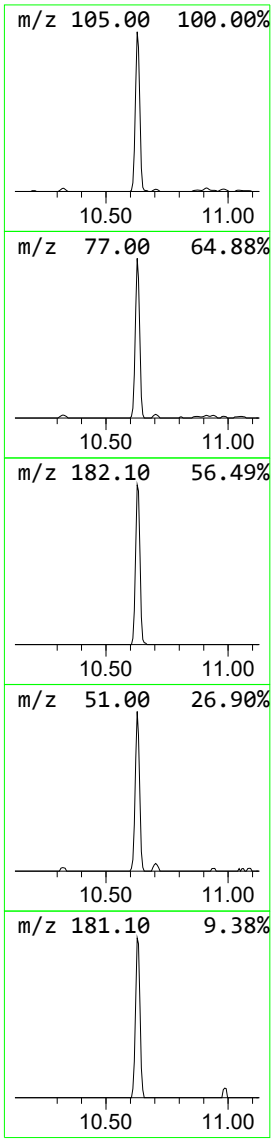
Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.91 ng	155225	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





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Sample : Q2393-01
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

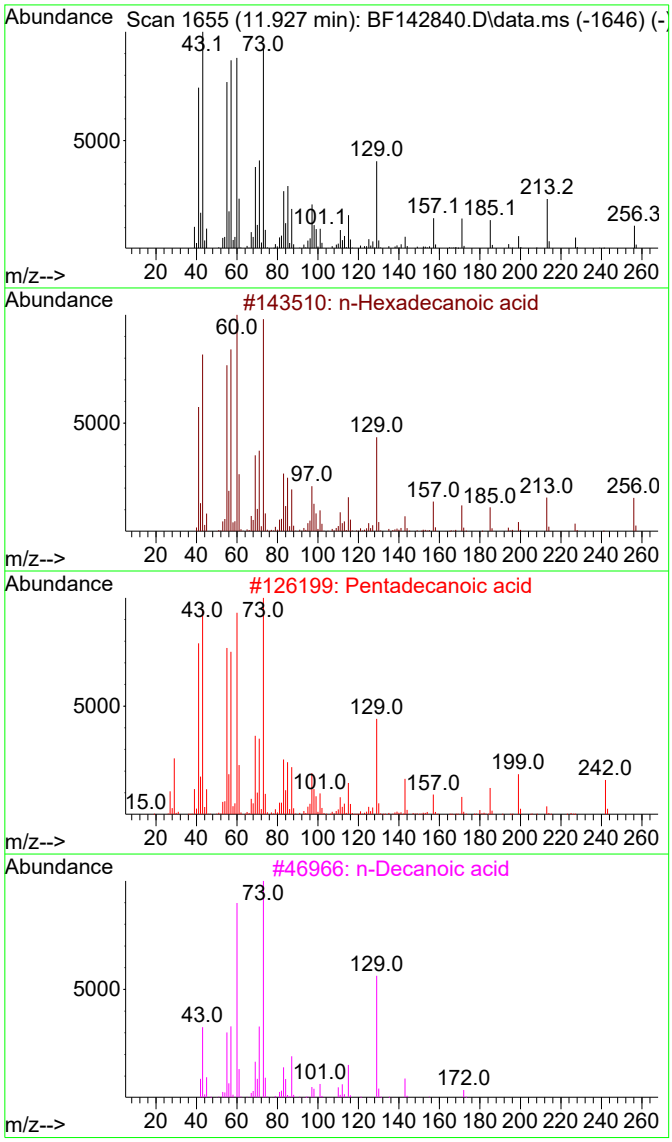
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

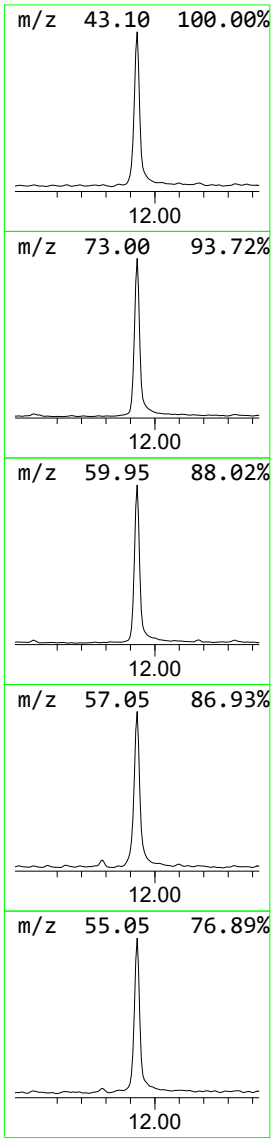
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	21.48 ng	539591	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Undecanoic acid	186	C11H22O2	000112-37-8	58





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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BNA_F
ClientSampleId :
PARK AVE -1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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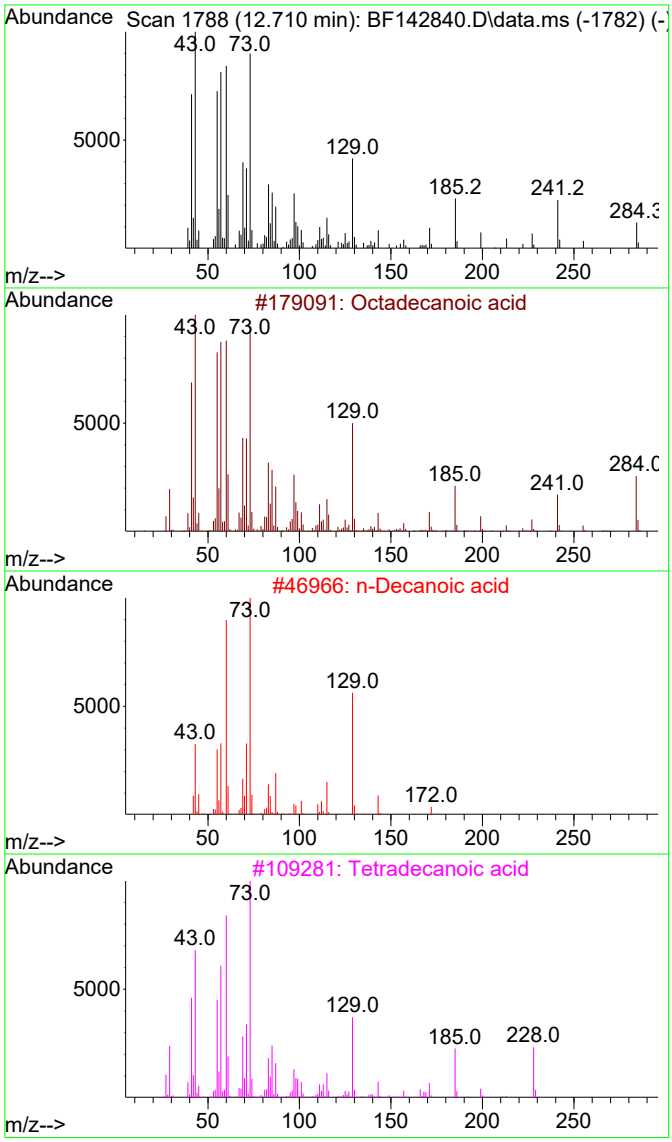
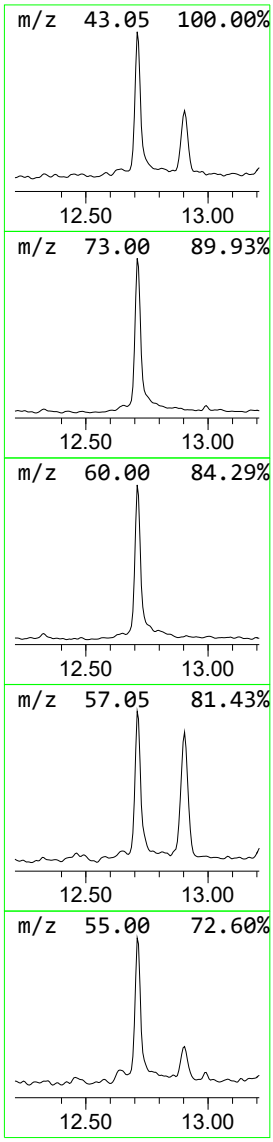
Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	8.51 ng	213902	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Decanoic acid	172	C10H20O2	000334-48-5	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PARK AVE -1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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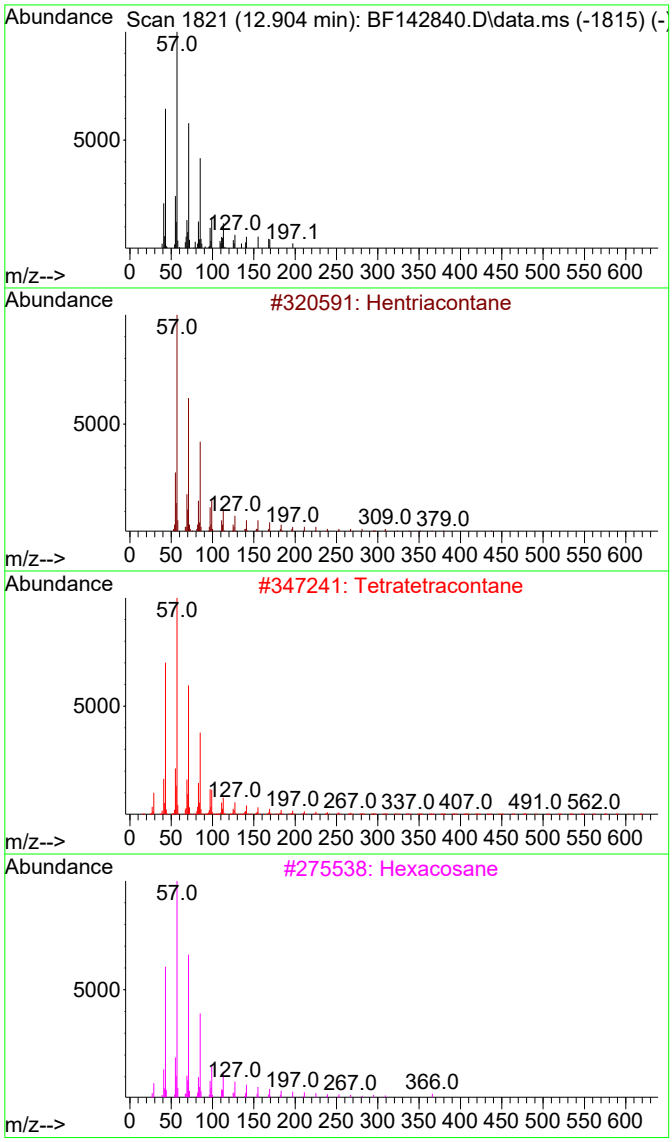
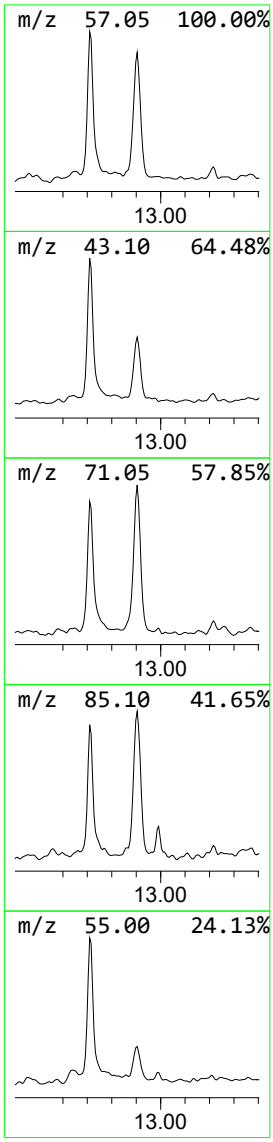
Peak Number 5 Hentriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	3.29 ng	68591	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91





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Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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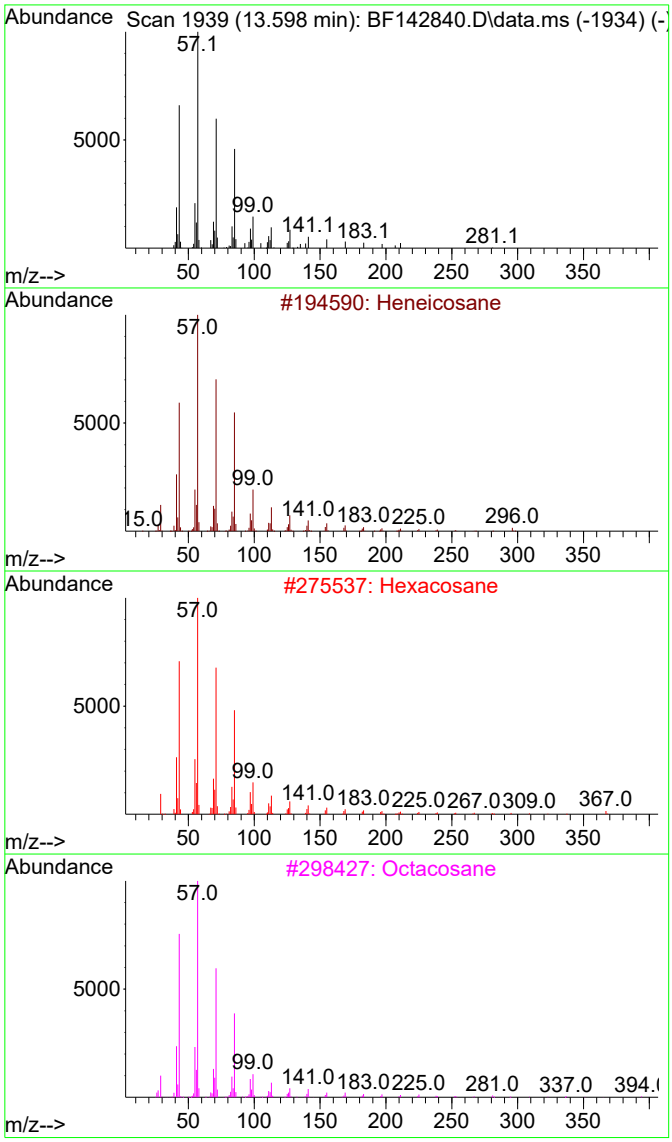
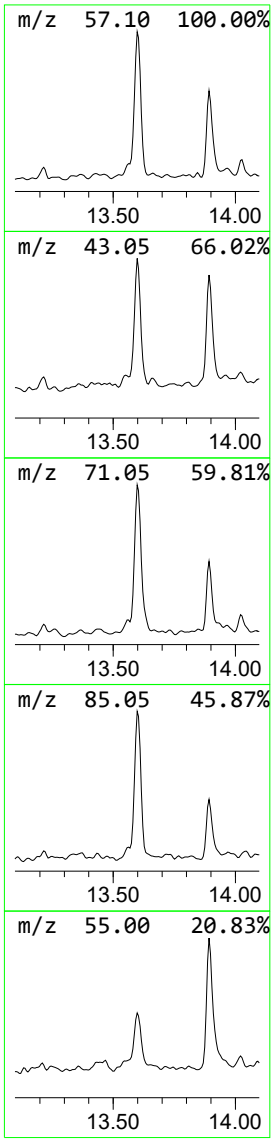
Peak Number 6 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.598	3.40 ng	70904	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Hentriacontane	437	C31H64	000630-04-6	91





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Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PARK AVE -1

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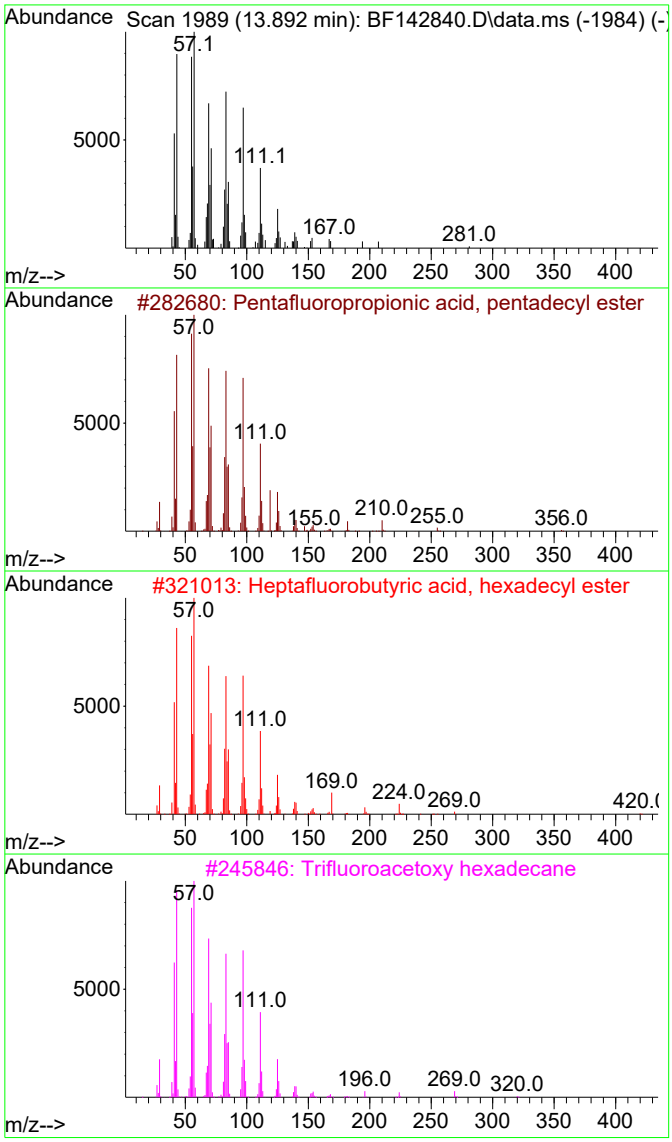
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

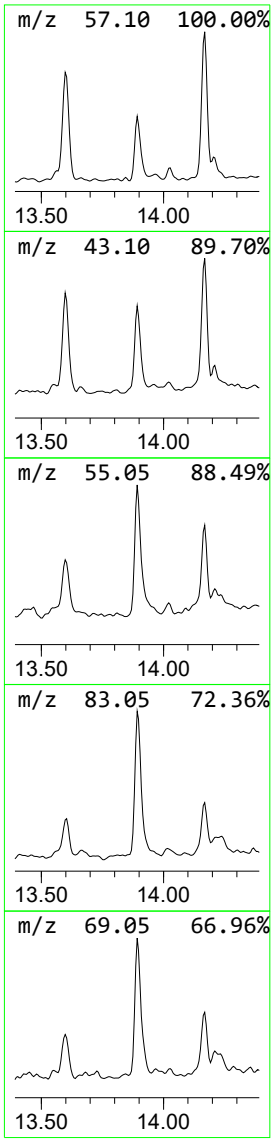
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.67 ng	97204	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
5	1-Hexacosene	364	C26H52	018835-33-1	95





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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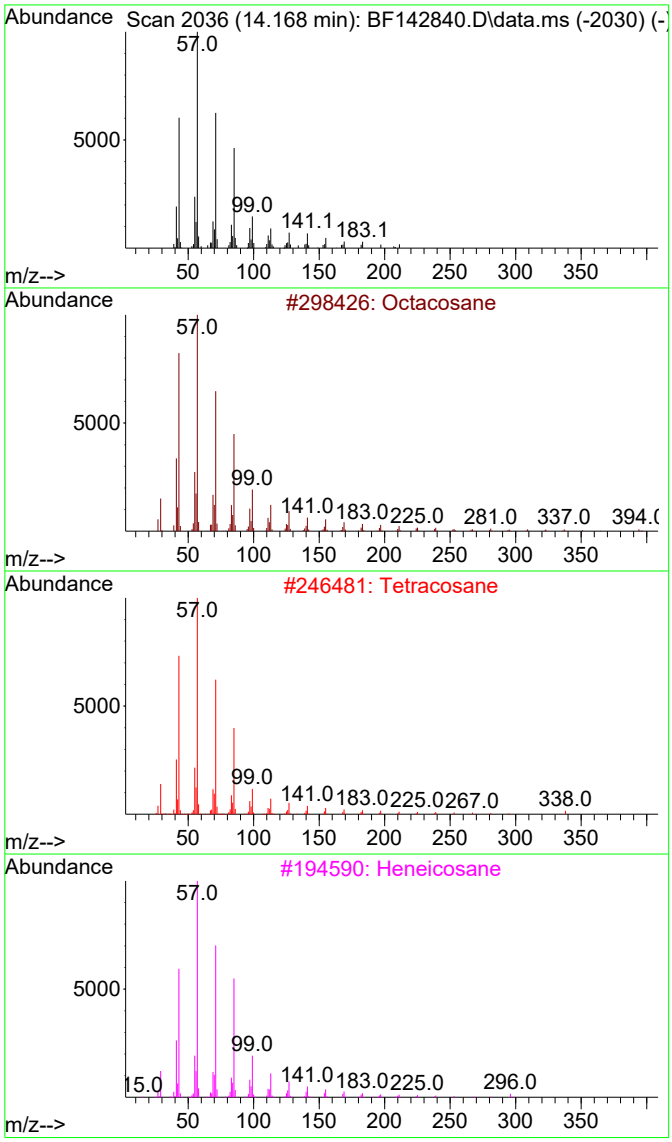
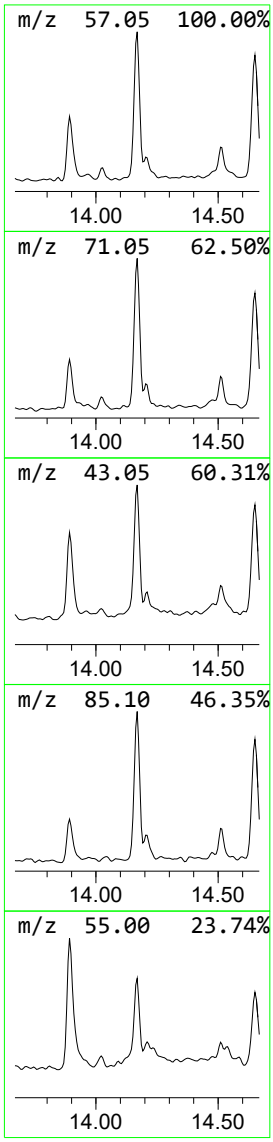
Peak Number 8 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.168	4.15 ng	86551	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Triacontane	422	C30H62	000638-68-6	91





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ALS Vial : 8 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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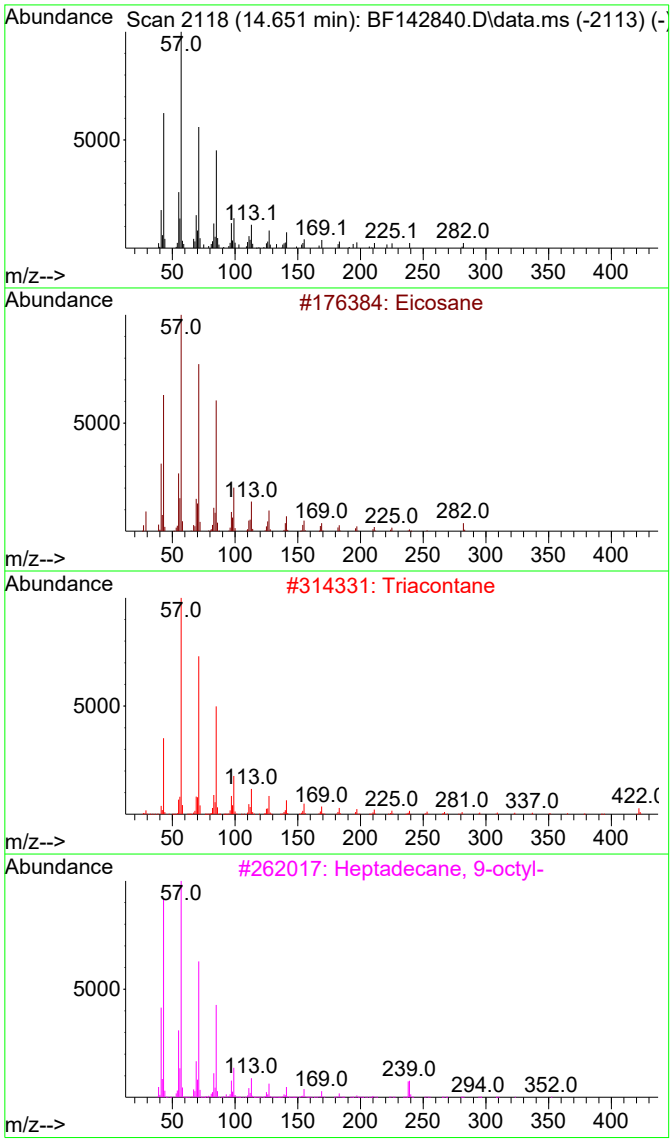
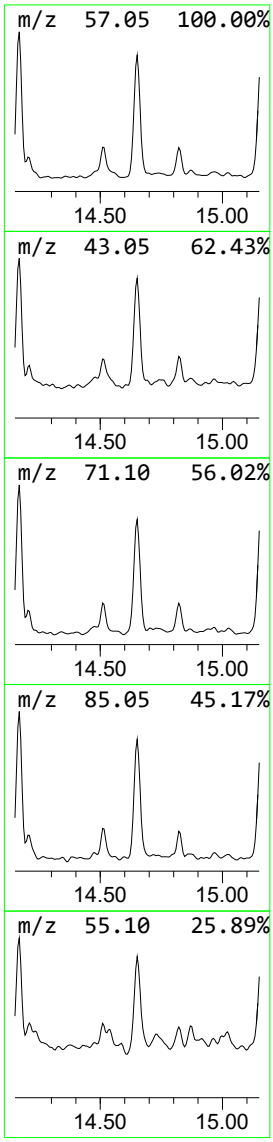
Peak Number 9 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	4.35 ng	90582	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Triacontane	422	C30H62	000638-68-6	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Hentriacontane	437	C31H64	000630-04-6	91





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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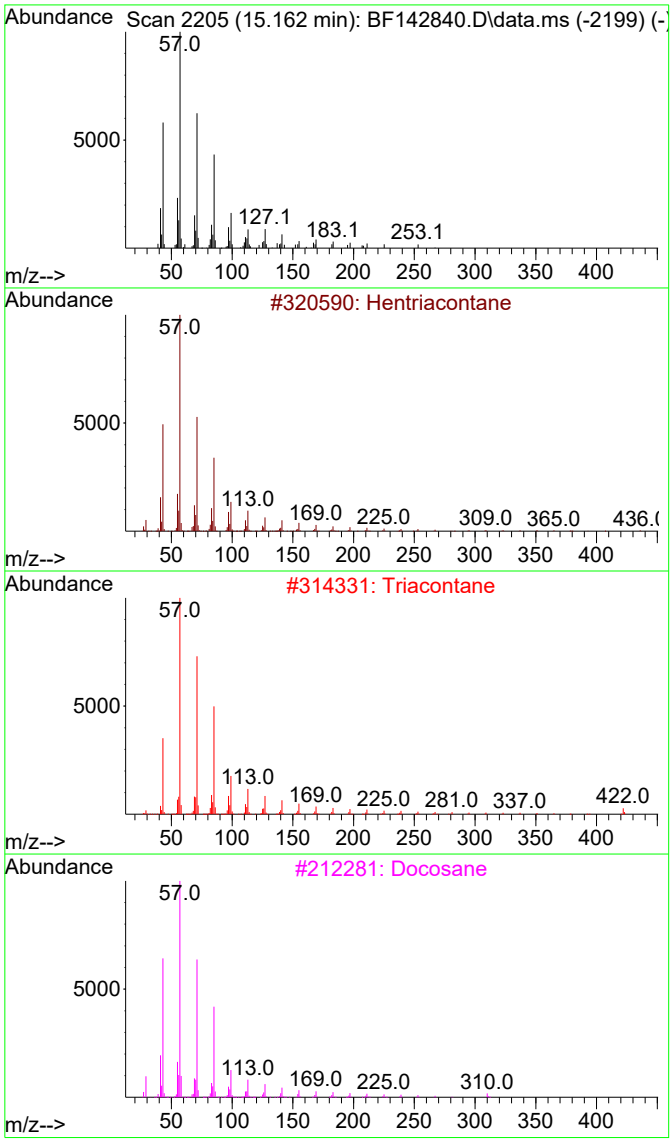
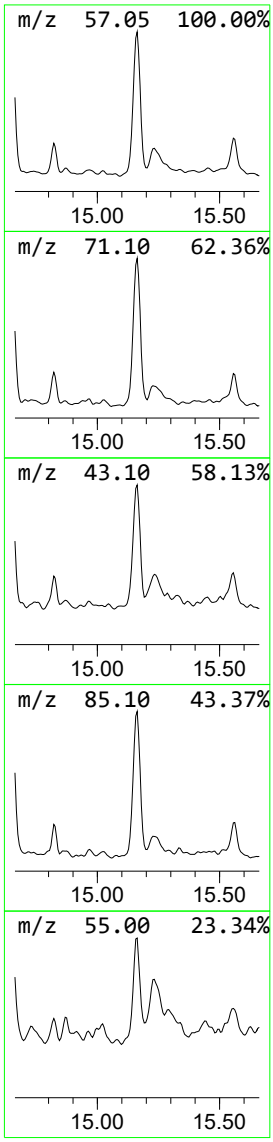
Peak Number 10 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.162	3.88 ng	98520	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Docosane	310	C22H46	000629-97-0	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Octacosane	394	C28H58	000630-02-4	91





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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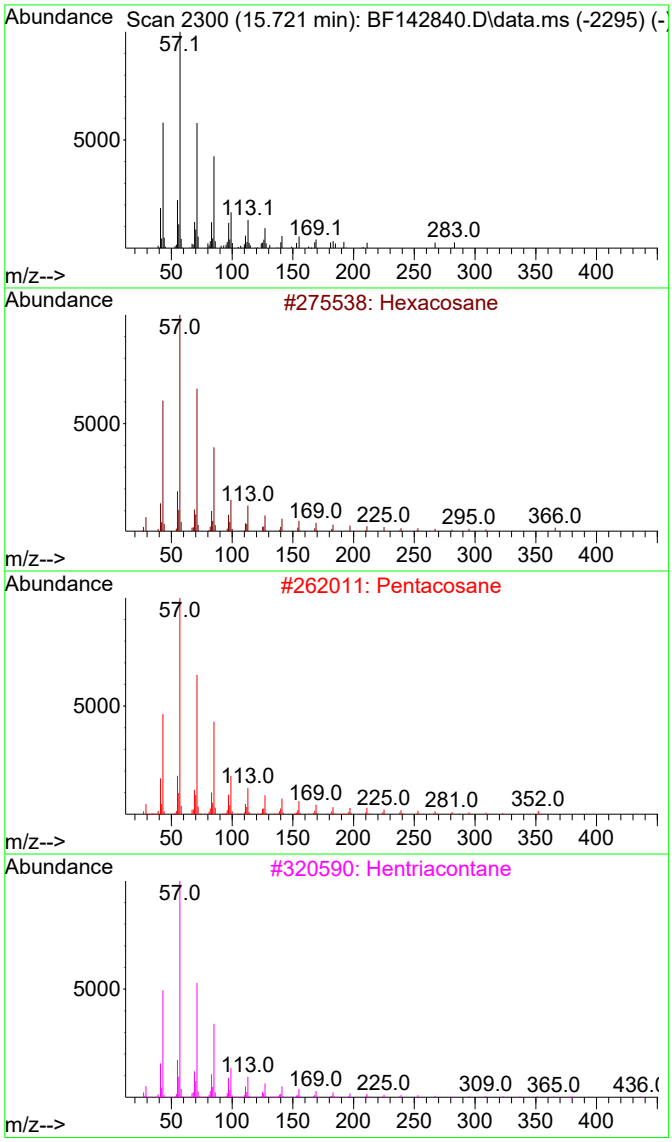
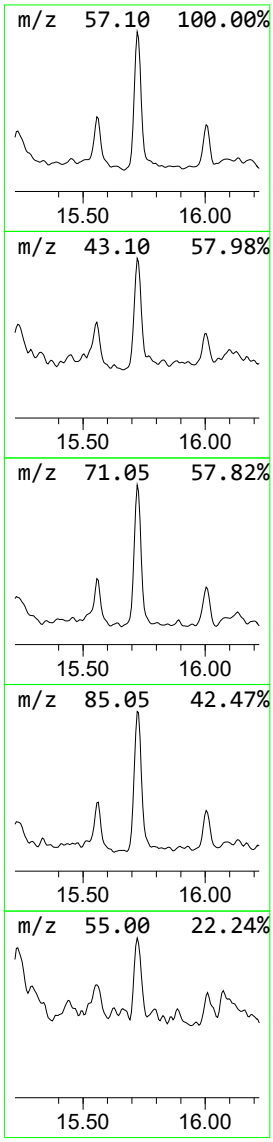
Peak Number 11 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.721	2.62 ng	66542	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Triacontane	422	C30H62	000638-68-6	91





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Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.5	ng	142817	1	6.875	441449	20.0
Benzophenone	10.627	4.9	ng	155225	3	9.916	632059	20.0
n-Hexadecanoic ...	11.927	21.5	ng	539591	4	11.404	502413	20.0
Octadecanoic acid	12.710	8.5	ng	213902	4	11.404	502413	20.0
Hentriacontane	12.904	3.3	ng	68591	5	14.051	416711	20.0
Heneicosane	13.598	3.4	ng	70904	5	14.051	416711	20.0
Pentafluoroprop...	13.892	4.7	ng	97204	5	14.051	416711	20.0
Octacosane	14.168	4.2	ng	86551	5	14.051	416711	20.0
Eicosane	14.651	4.3	ng	90582	5	14.051	416711	20.0
Triacontane	15.162	3.9	ng	98520	6	15.545	508420	20.0
Hexacosane	15.721	2.6	ng	66542	6	15.545	508420	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

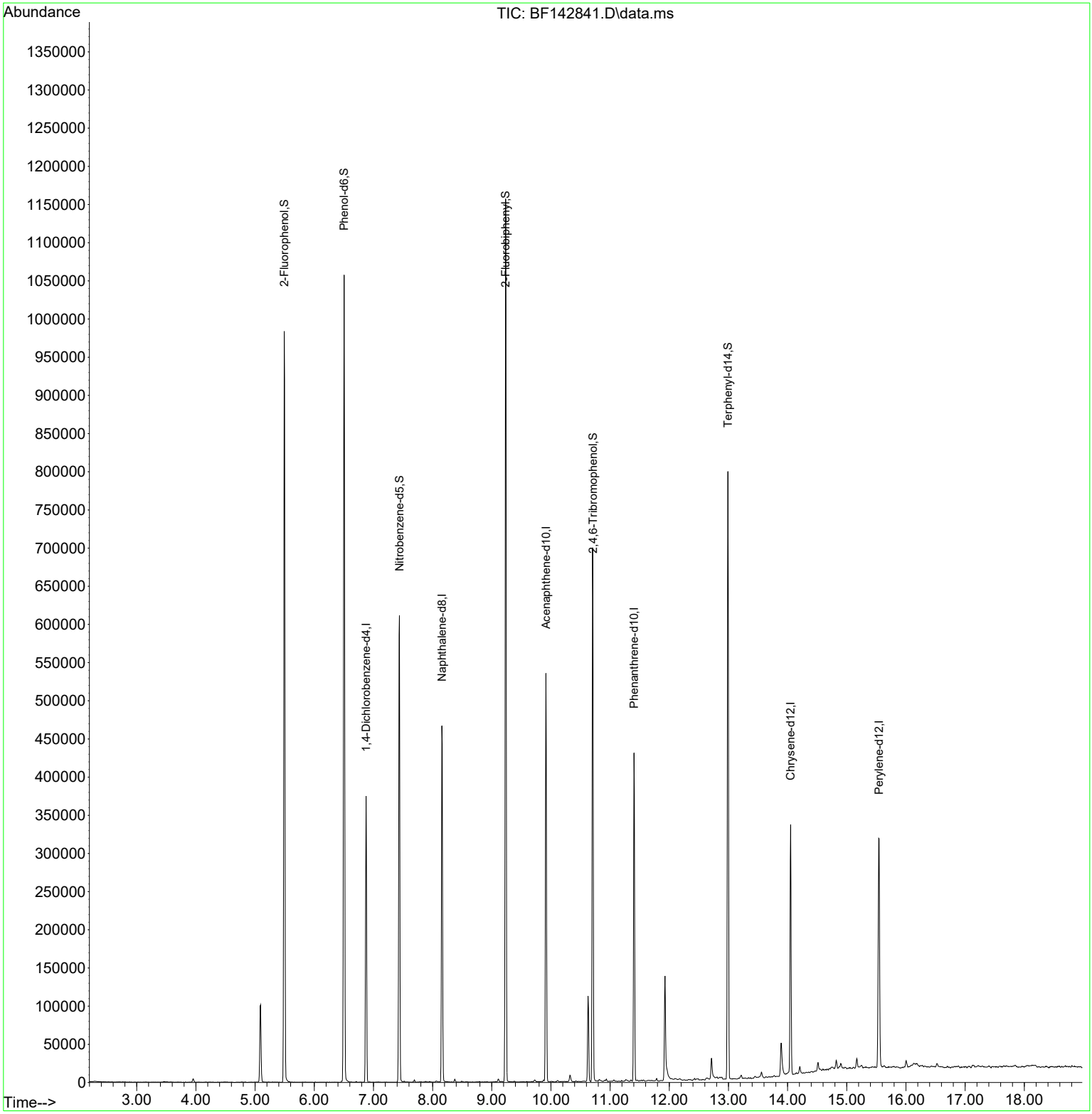
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79690	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305909	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	156047	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	222655	20.000	ng	0.00
76) Chrysene-d12	14.051	240	158233	20.000	ng	0.00
86) Perylene-d12	15.545	264	179947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	376919	78.748	ng	0.00
7) Phenol-d6	6.504	99	485476	85.970	ng	0.00
23) Nitrobenzene-d5	7.439	82	264621	47.448	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118063	73.521	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	507303	42.707	ng	-0.01
79) Terphenyl-d14	12.992	244	373474	32.612	ng	0.00
Target Compounds						Qvalue

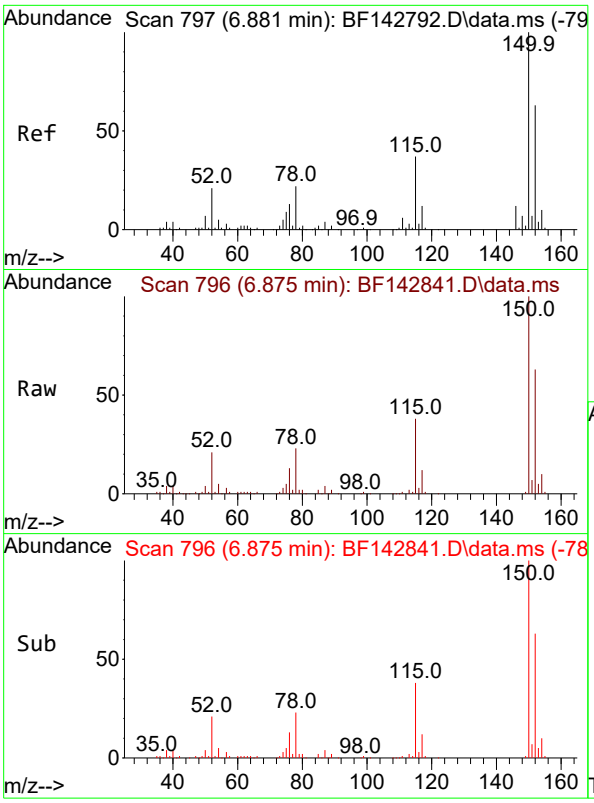
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



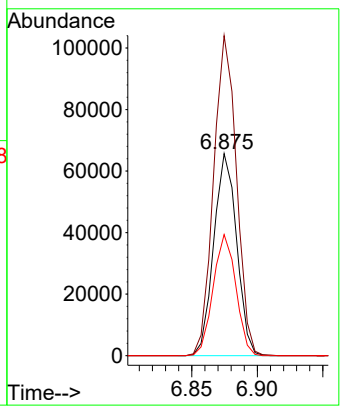


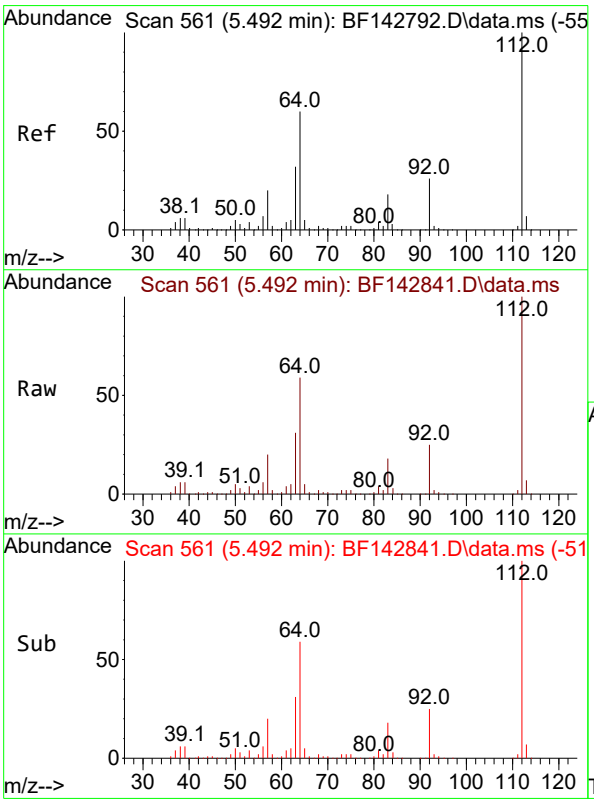
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:152 Resp: 79690

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.2	190.8
115	59.9	46.6	69.8

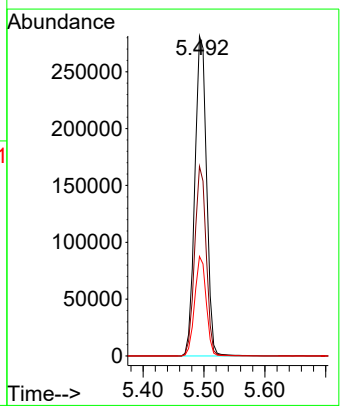


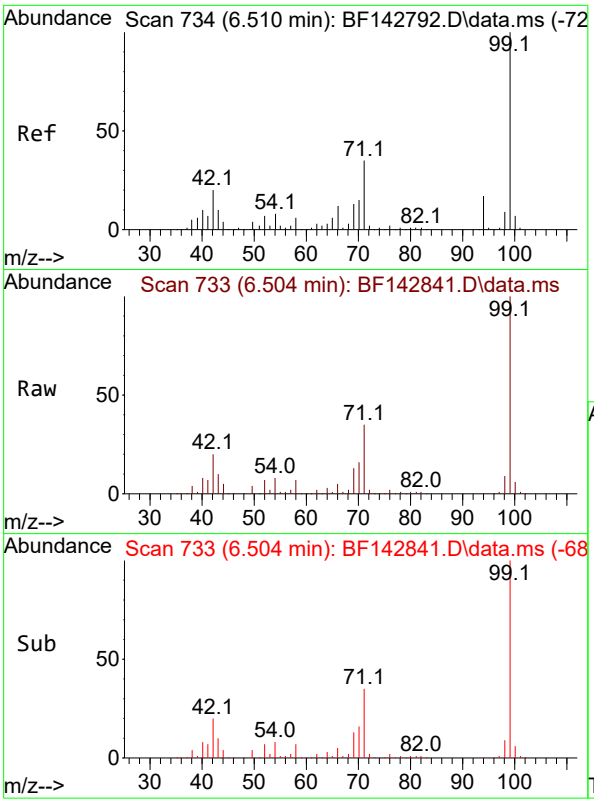


#5
2-Fluorophenol
Concen: 78.748 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:112 Resp: 376919

Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.2	72.2
63	31.1	25.7	38.5



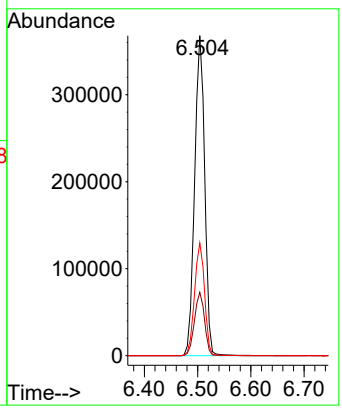


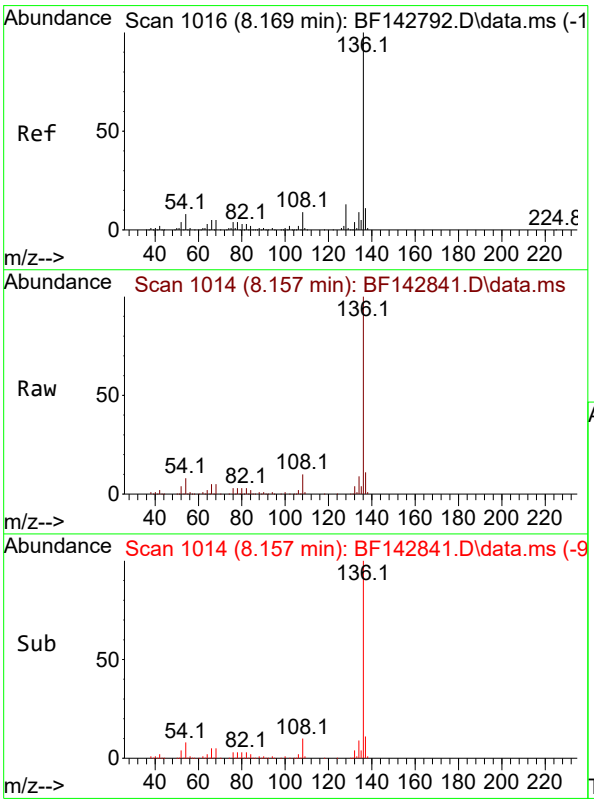
#7
Phenol-d6
Concen: 85.970 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 99 Resp: 485476

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.9	23.9
71	35.3	27.8	41.8

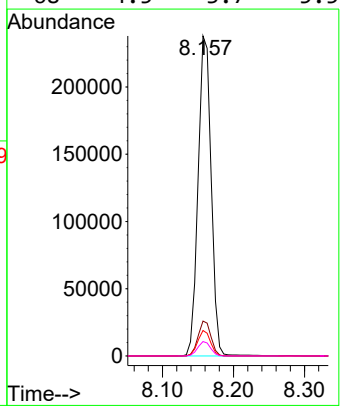


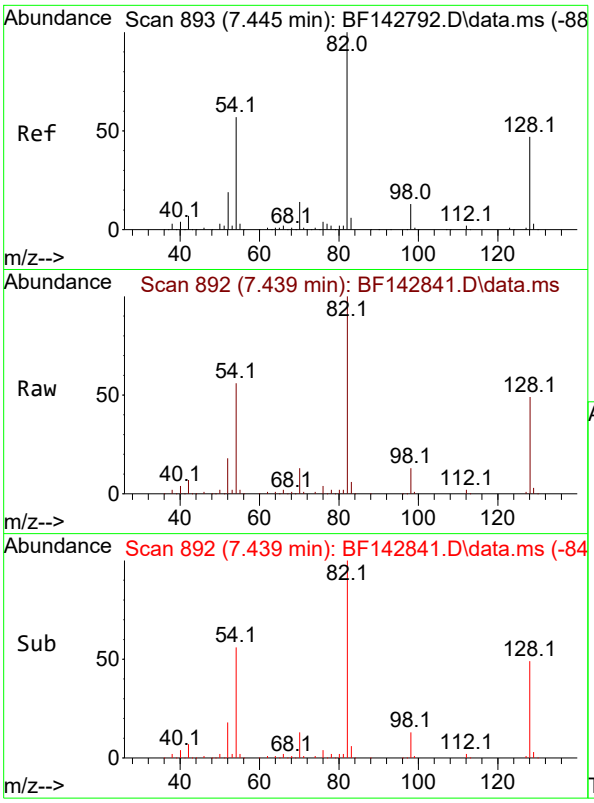


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:136 Resp: 305909

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.9	6.3	9.5
68	4.5	3.7	5.5



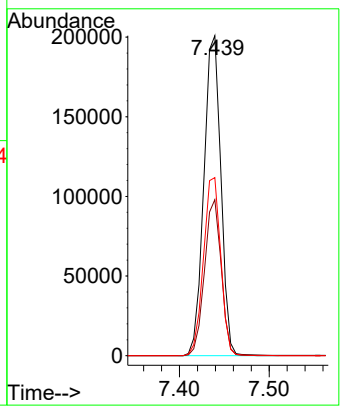


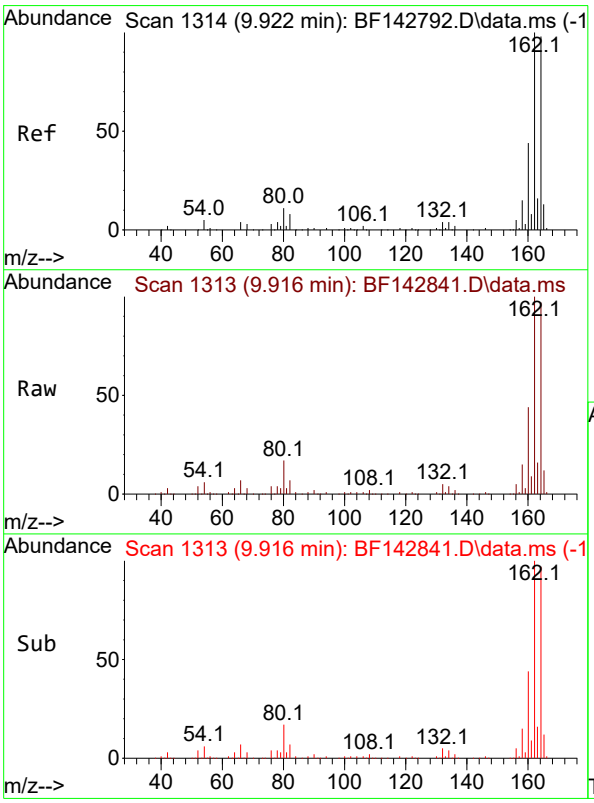
#23
Nitrobenzene-d5
Concen: 47.448 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 82 Resp: 264621

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	55.7	45.7	68.5

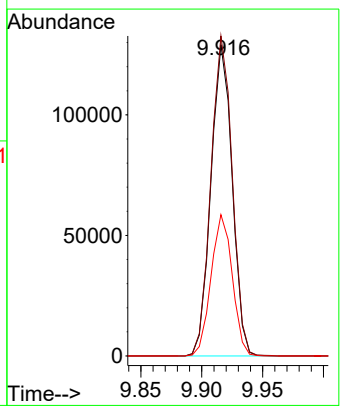


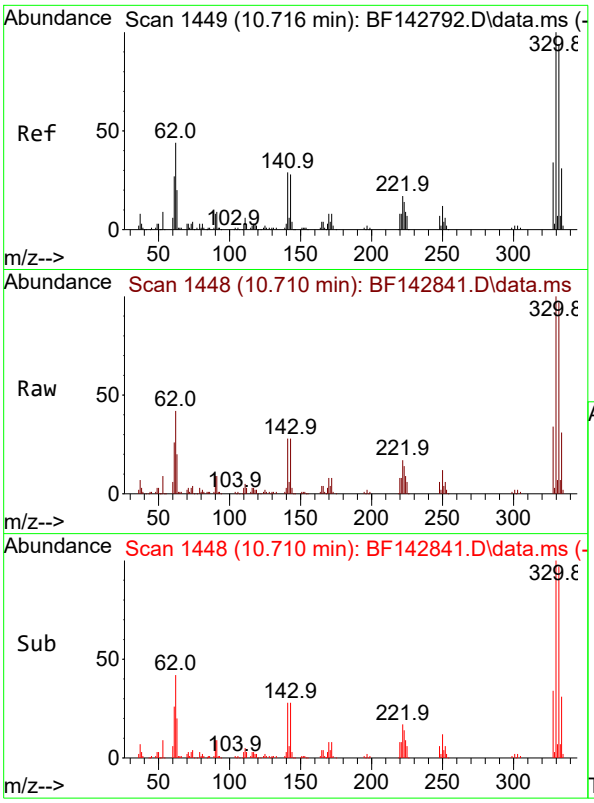


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:164 Resp: 156047

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.8
160	45.4	36.0	54.0



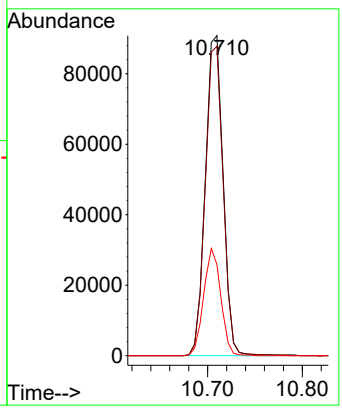


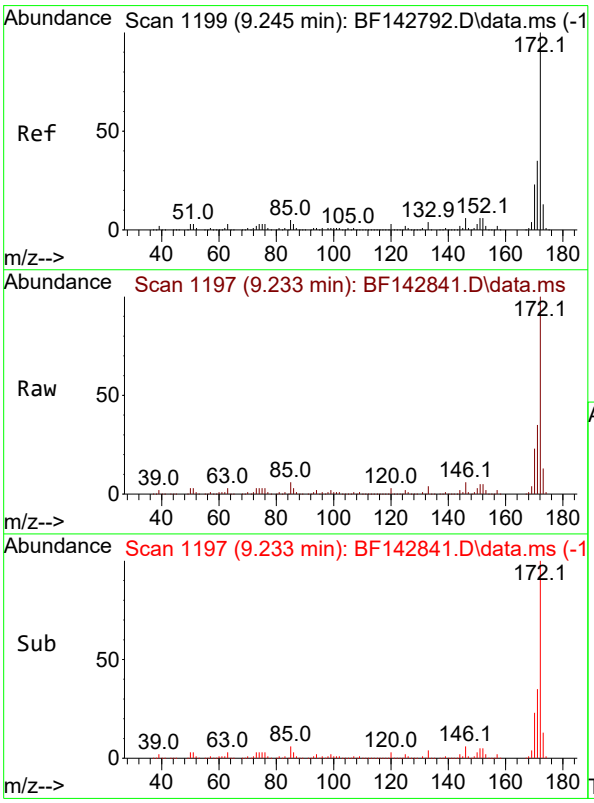
#42
2,4,6-Tribromophenol
Concen: 73.521 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:330 Resp: 118063

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	32.2	25.3	37.9

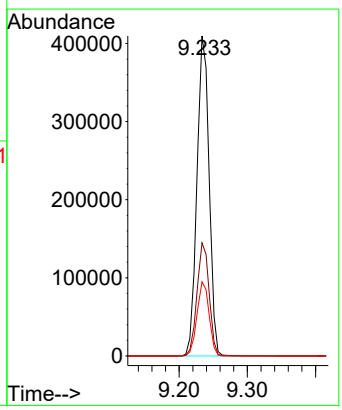


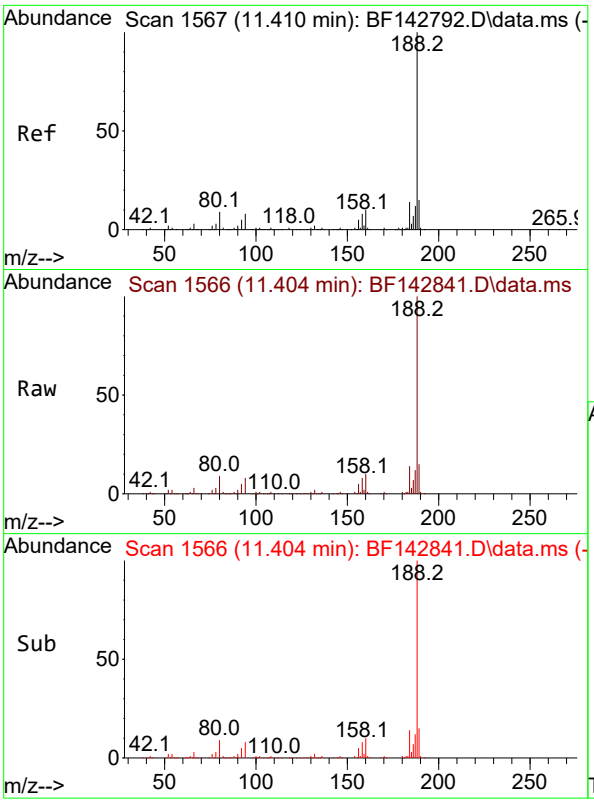


#45
2-Fluorobiphenyl
Concen: 42.707 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:172 Resp: 507303

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.5	27.7



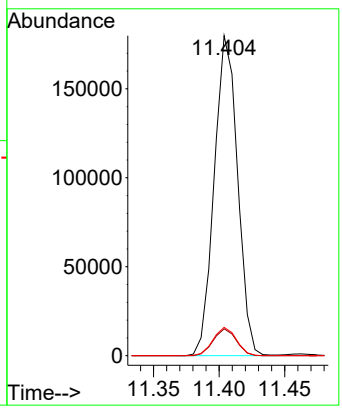


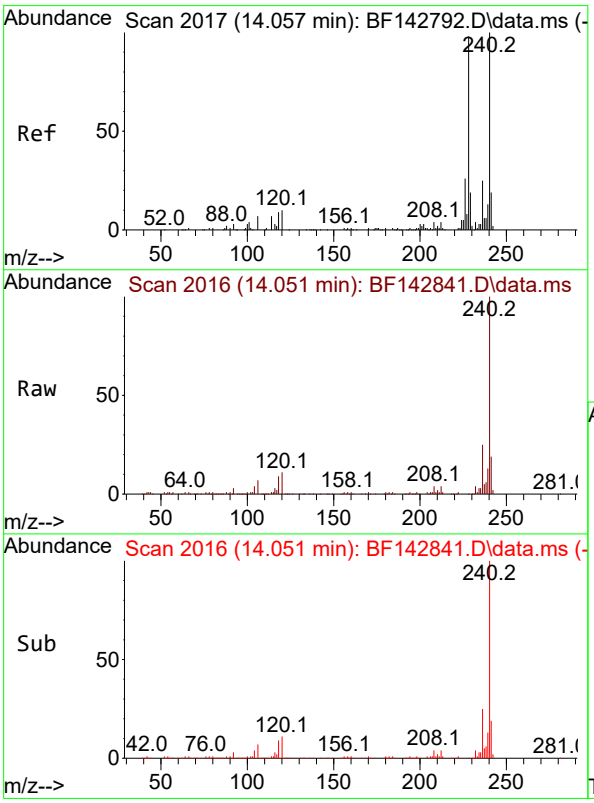
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:188 Resp: 222655

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.9	6.9	10.3

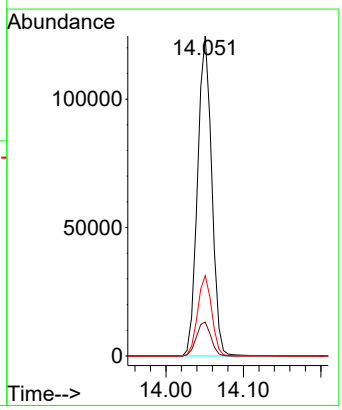


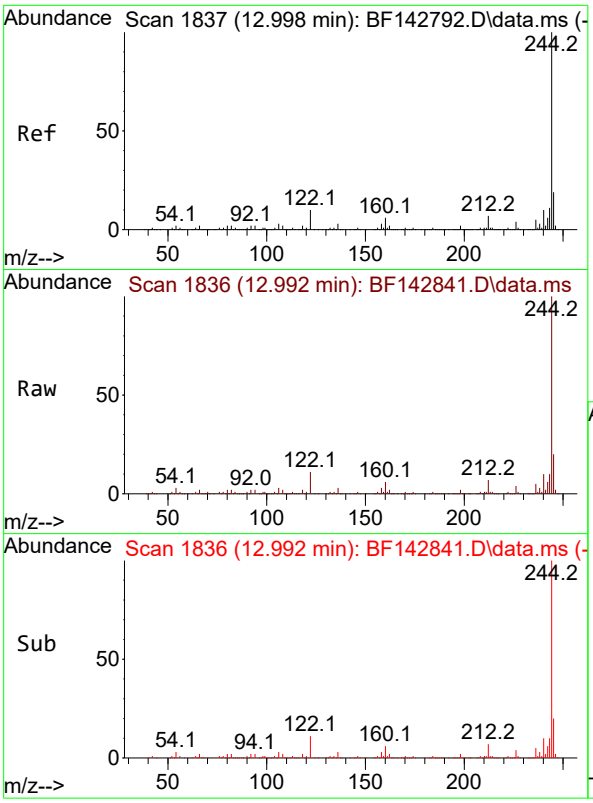


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:240 Resp: 158233

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.1	19.8	29.8



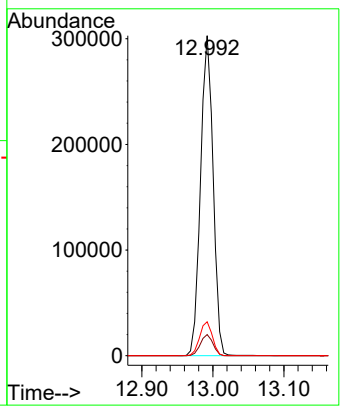


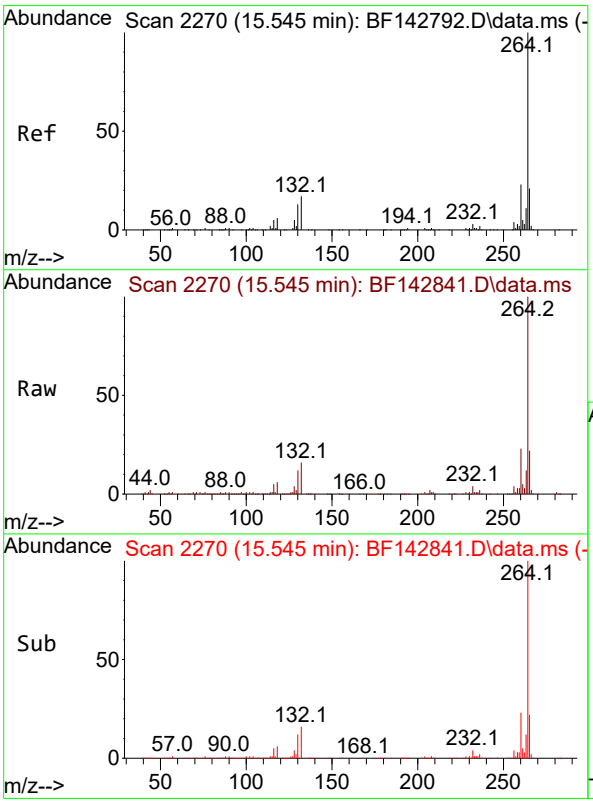
#79
Terphenyl-d14
Concen: 32.612 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:244 Resp: 373474

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.6	8.2	12.2

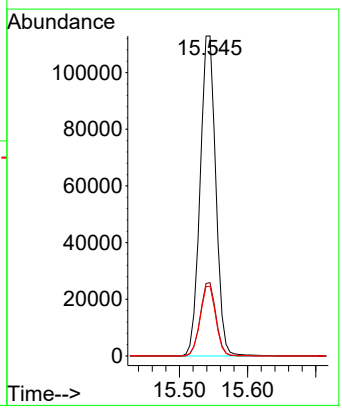




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:264 Resp: 179947

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.1	27.1
265	21.8	16.6	25.0



Sample Results: **BF142841.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.092	485	493	500	rBV	101182	150544	10.62%	1.423%
2	5.492	556	561	574	rBV	983461	1296552	91.51%	12.257%
3	6.504	727	733	738	rBV	1055830	1388792	98.02%	13.129%
4	6.875	791	796	801	rBV	374522	451504	31.87%	4.268%
5	7.439	886	892	897	rBV	611129	803917	56.74%	7.600%
6	8.157	1009	1014	1022	rBV	466536	592103	41.79%	5.597%
7	9.233	1192	1197	1202	rBV	1155874	1416896	100.00%	13.395%
8	9.916	1308	1313	1318	rVB	534077	645327	45.55%	6.101%
9	10.627	1427	1434	1442	rVB	111859	138232	9.76%	1.307%
10	10.704	1442	1447	1456	rBV	699301	885939	62.53%	8.375%
11	11.404	1561	1566	1571	rBV	430139	530475	37.44%	5.015%
12	11.927	1649	1655	1672	rBV2	136981	224964	15.88%	2.127%
13	12.716	1783	1789	1799	rBV	27175	49785	3.51%	0.471%
14	12.992	1830	1836	1841	rBV	795787	980801	69.22%	9.272%
15	13.892	1983	1989	2000	rBV	43862	89139	6.29%	0.843%
16	14.051	2011	2016	2023	rVB	327514	418138	29.51%	3.953%
17	14.510	2091	2094	2099	rBV	10230	14899	1.05%	0.141%
18	15.168	2202	2206	2211	rBV	11861	17169	1.21%	0.162%
19	15.539	2263	2269	2279	rBV	299822	482863	34.08%	4.565%

Sum of corrected areas: 10578039

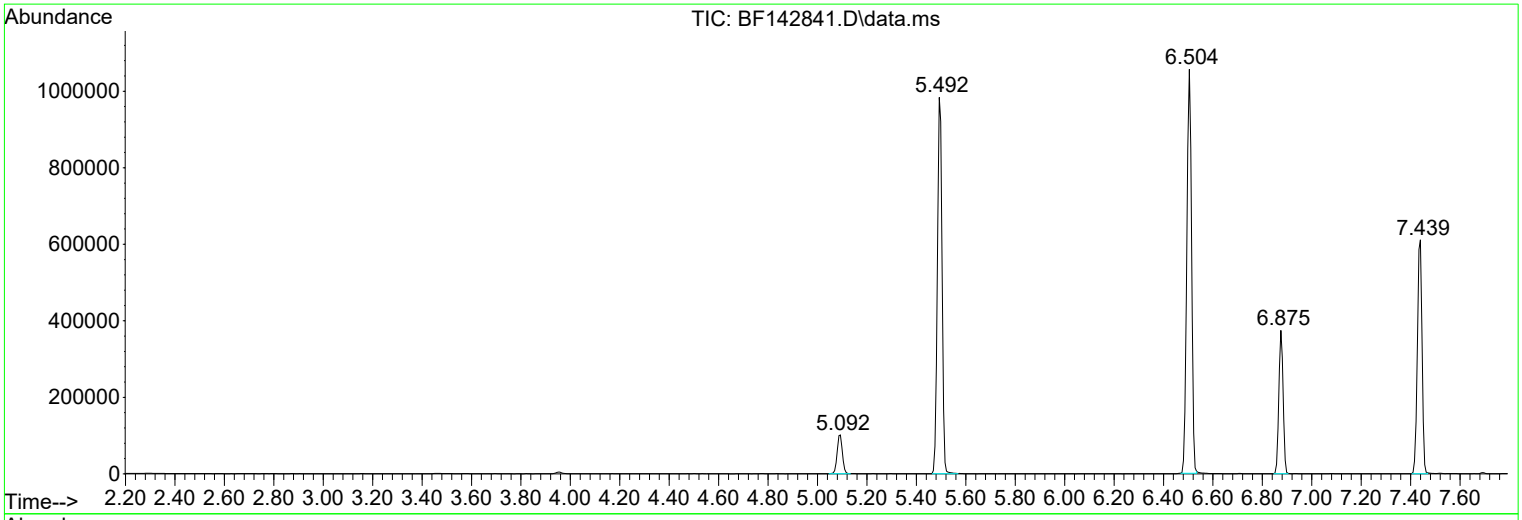
Sample Results: **BF142841.D**

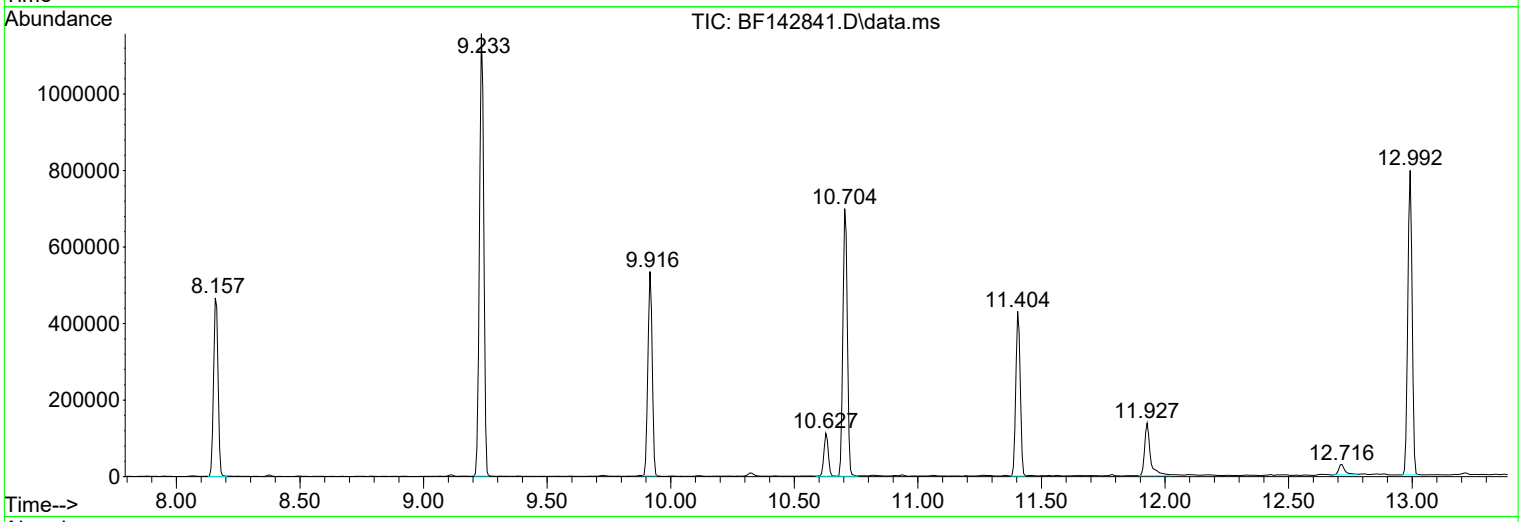
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

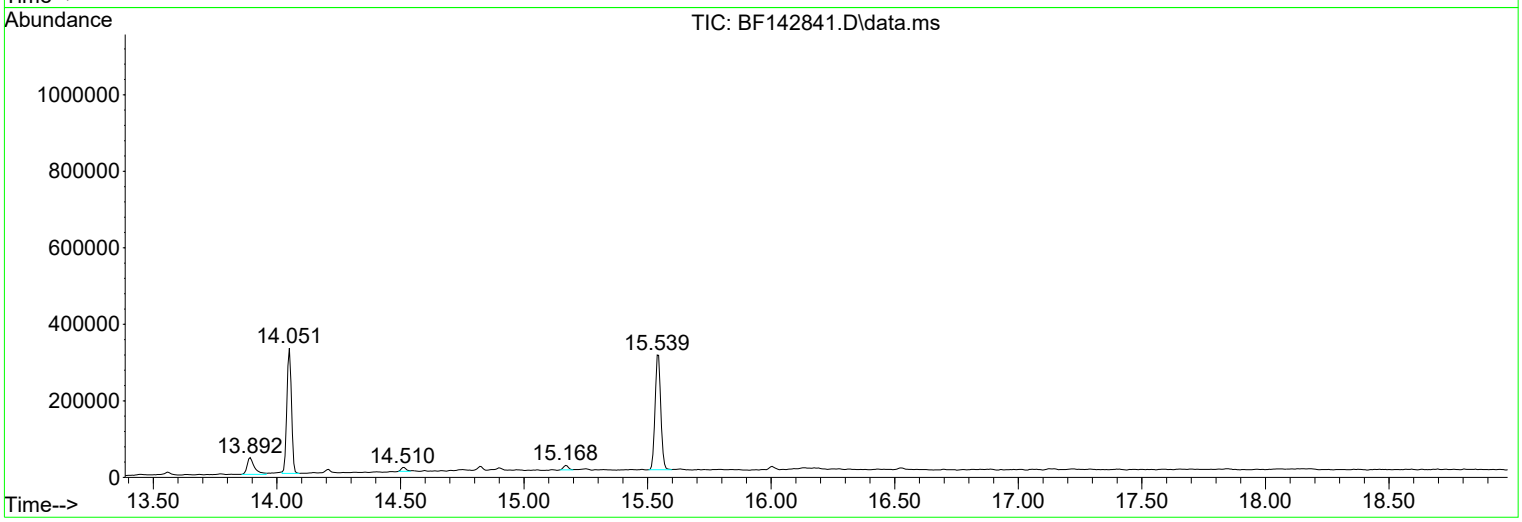
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

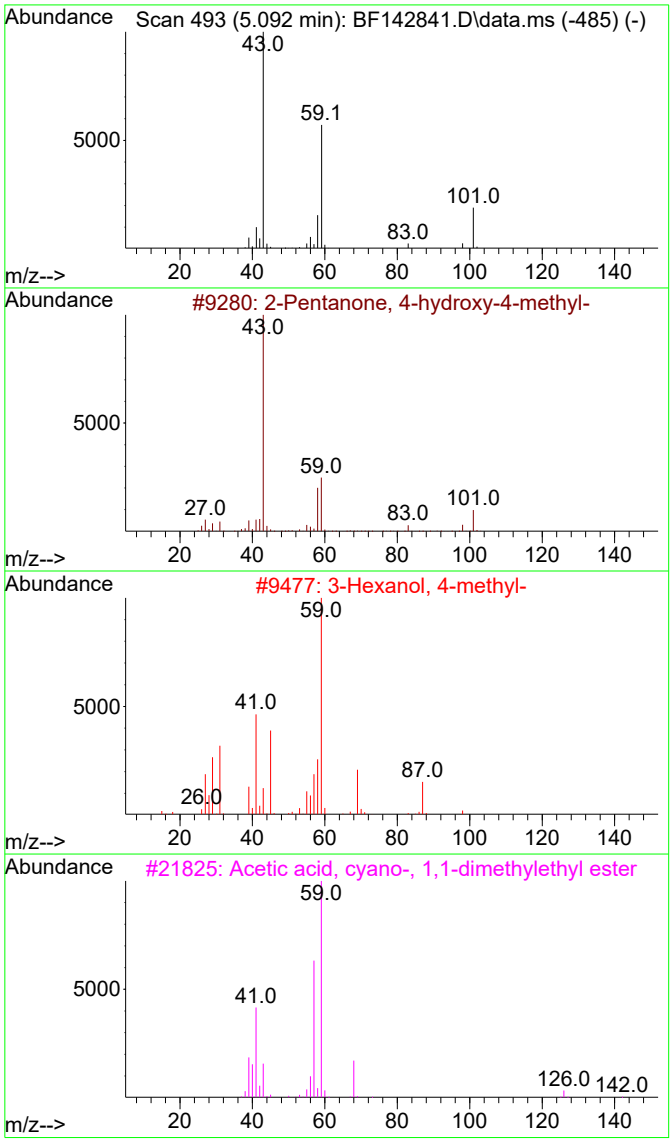
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

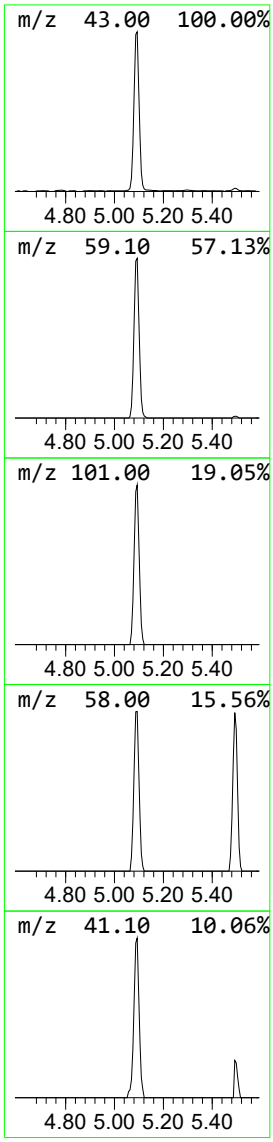
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.092	6.67 ng	150544	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On    : 25 Jun 2025  17:02
Operator  : RC/JU
Sample    : Q2393-03
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

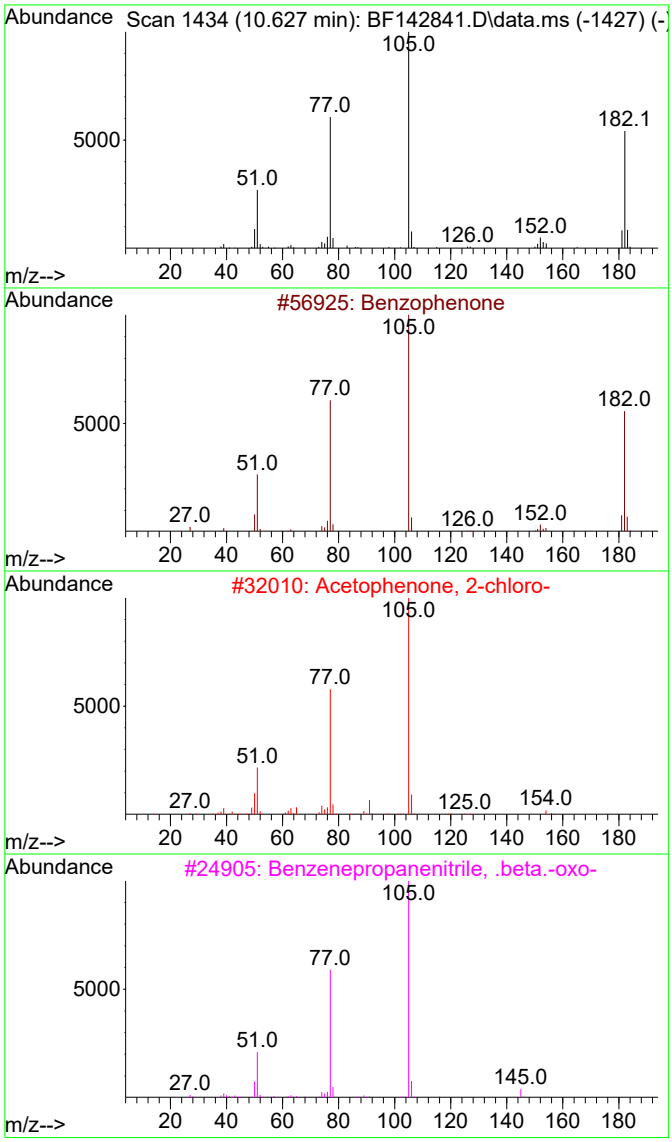
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

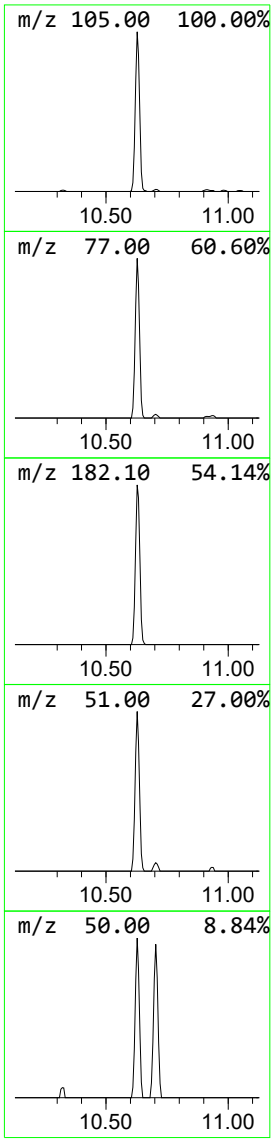
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.28 ng	138232	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

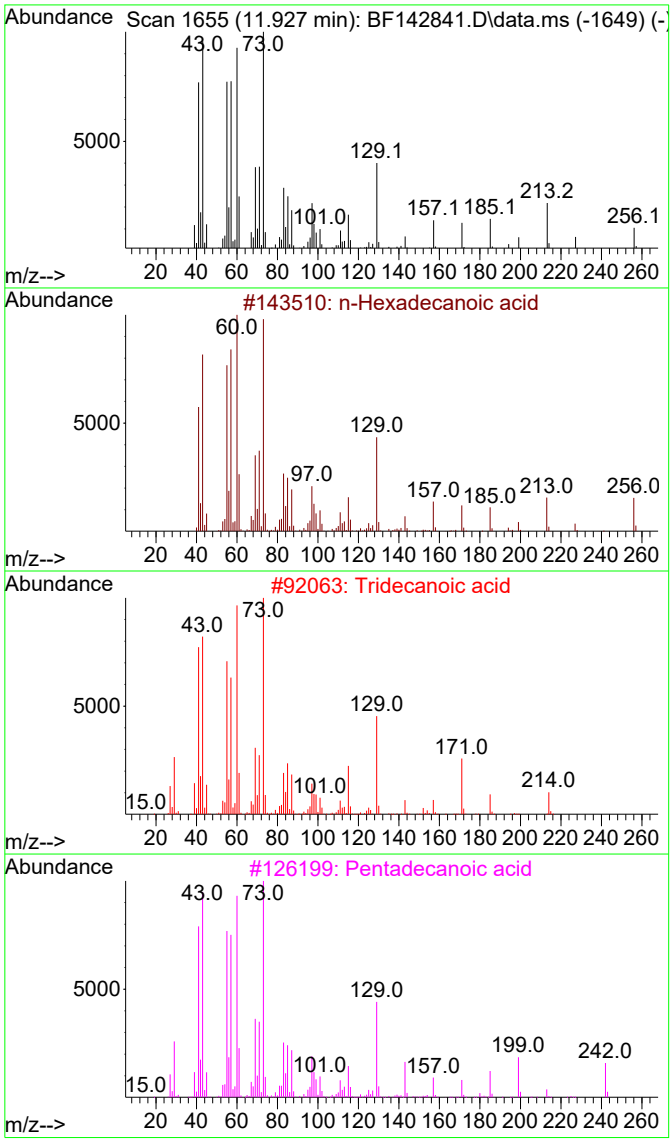
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

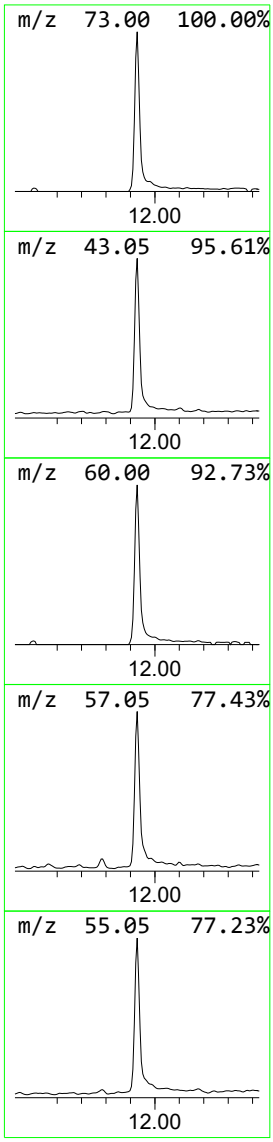
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	8.48 ng	224964	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

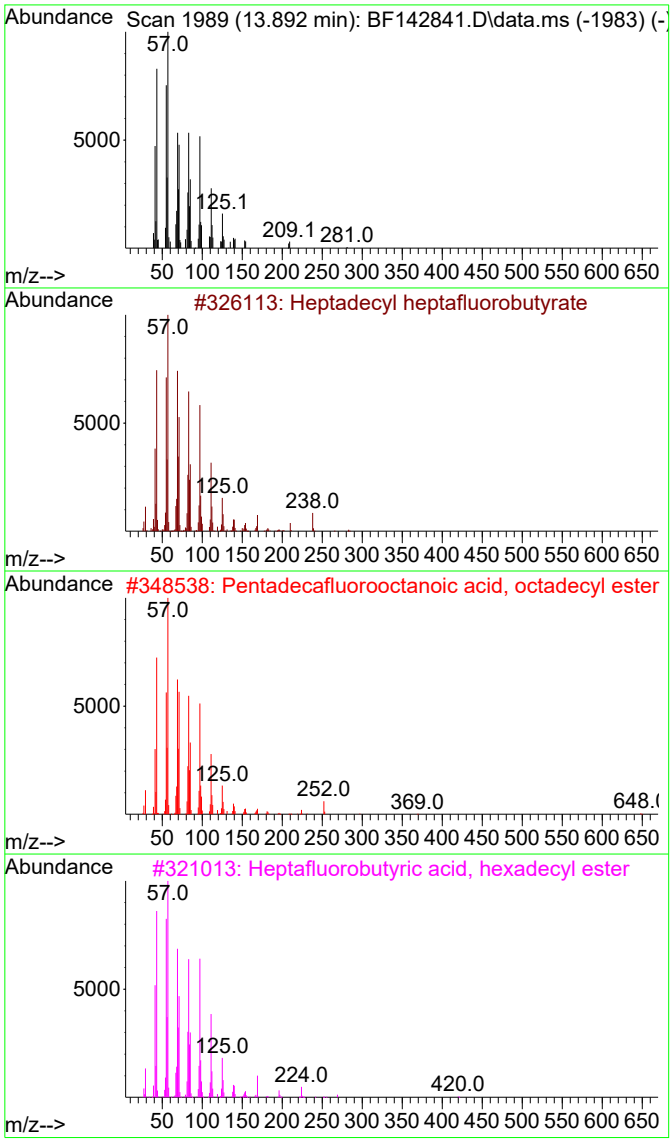
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

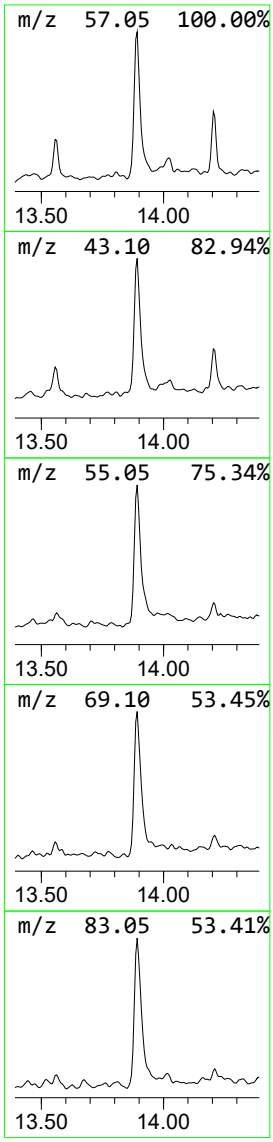
****

Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.26 ng	89139	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.092	6.7	ng	150544	1	6.875	451504	20.0
Benzophenone	10.627	4.3	ng	138232	3	9.916	645327	20.0
n-Hexadecanoic ...	11.927	8.5	ng	224964	4	11.404	530475	20.0
Heptadecyl hept...	13.892	4.3	ng	89139	5	14.051	418138	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

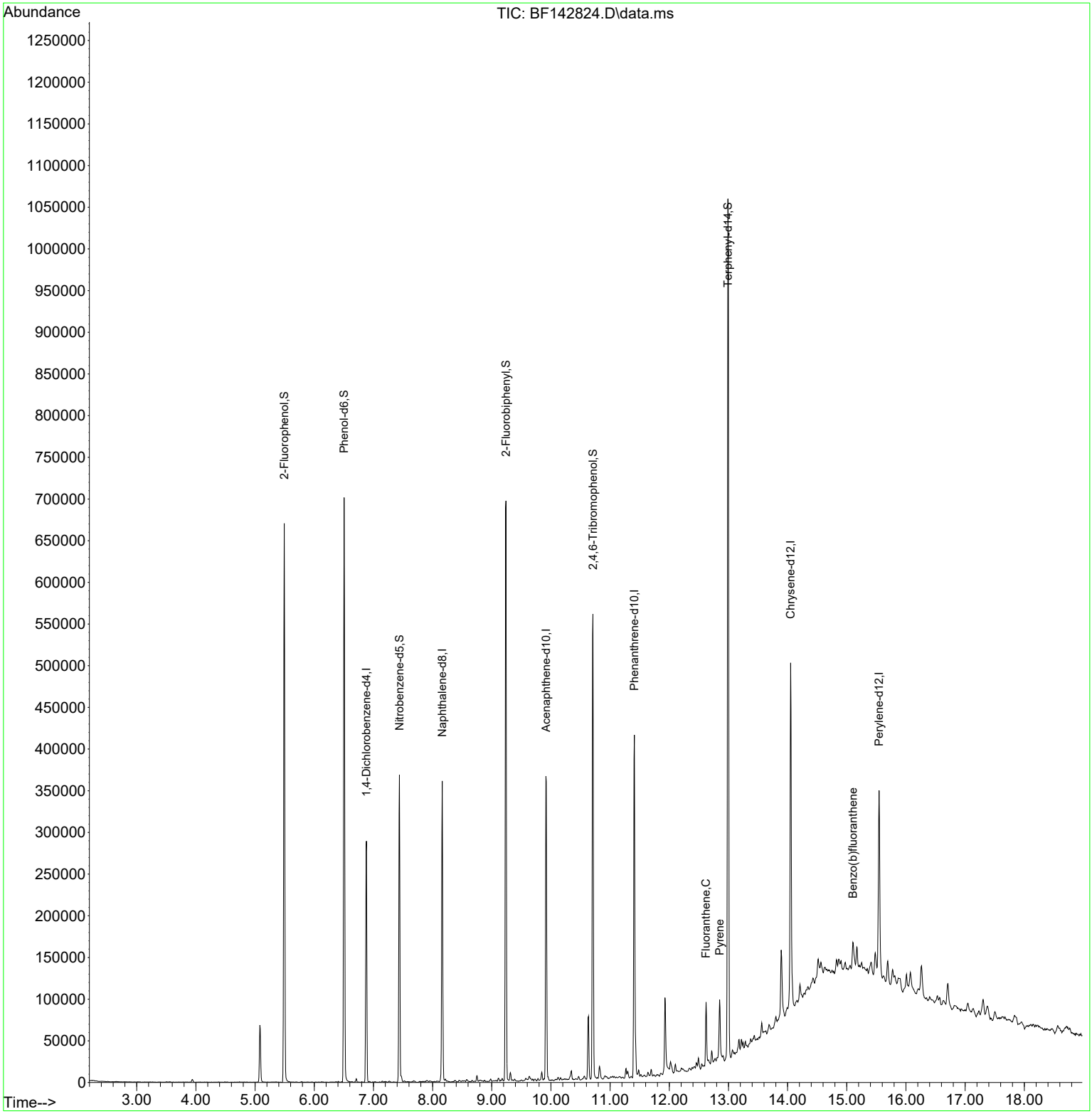
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	226294	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	112057	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	215299	20.000	ng	0.00
76) Chrysene-d12	14.051	240	191648	20.000	ng	0.00
86) Perylene-d12	15.545	264	128238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	250519	66.160	ng	0.00
7) Phenol-d6	6.504	99	310518	69.508	ng	0.00
23) Nitrobenzene-d5	7.439	82	151433	36.705	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95486	82.805	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	317524	37.224	ng	0.00
79) Terphenyl-d14	12.992	244	504565	36.377	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	42021	3.796	ng	100
78) Pyrene	12.851	202	40452	2.252	ng	98
88) Benzo(b)fluoranthene	15.104	252	17137m	2.309	ng	

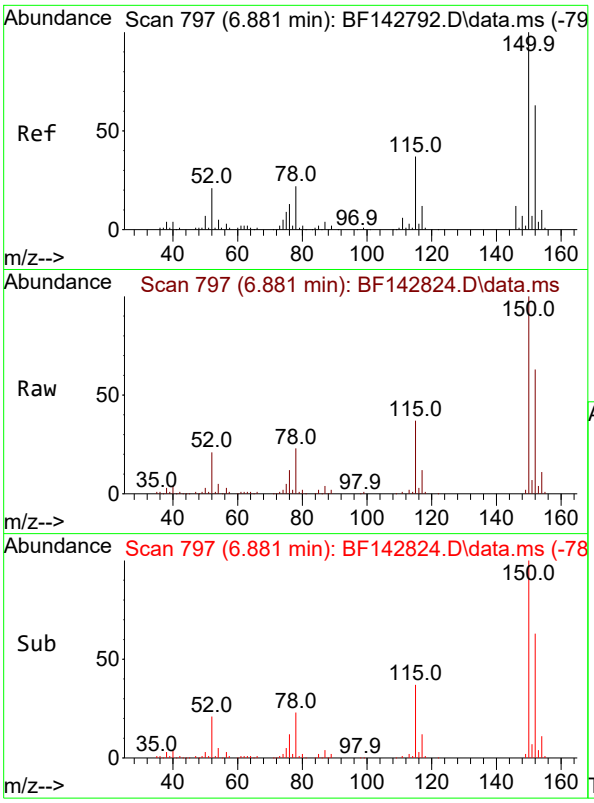
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



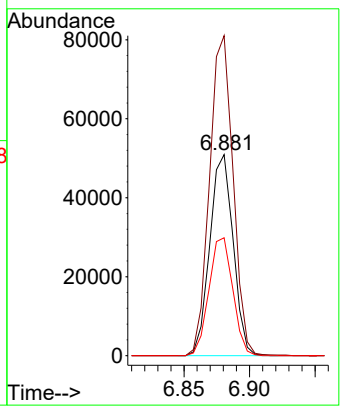


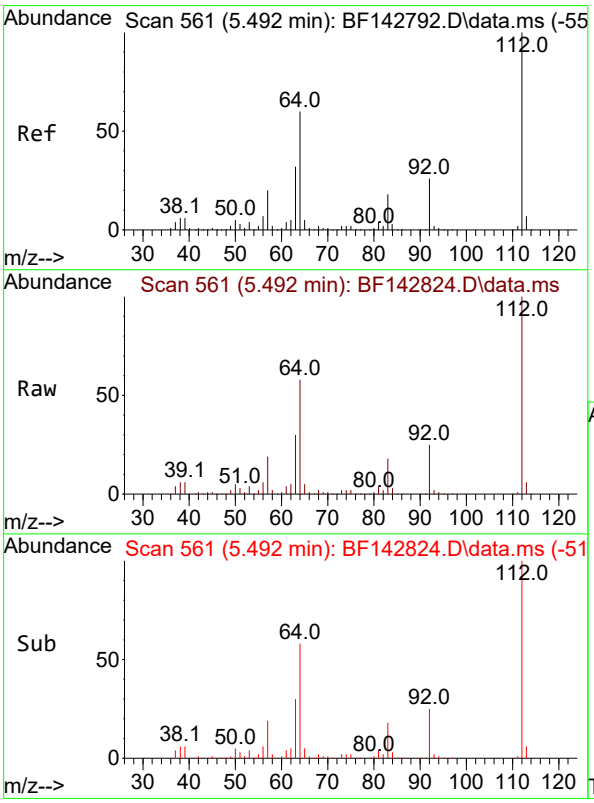
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:152 Resp: 63043

Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.2	190.8
115	58.7	46.6	69.8

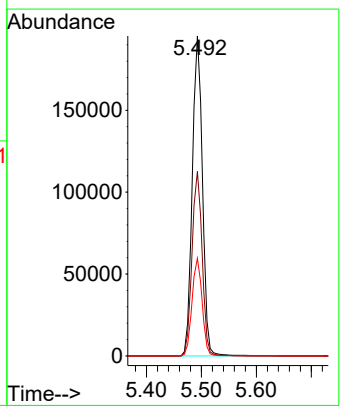


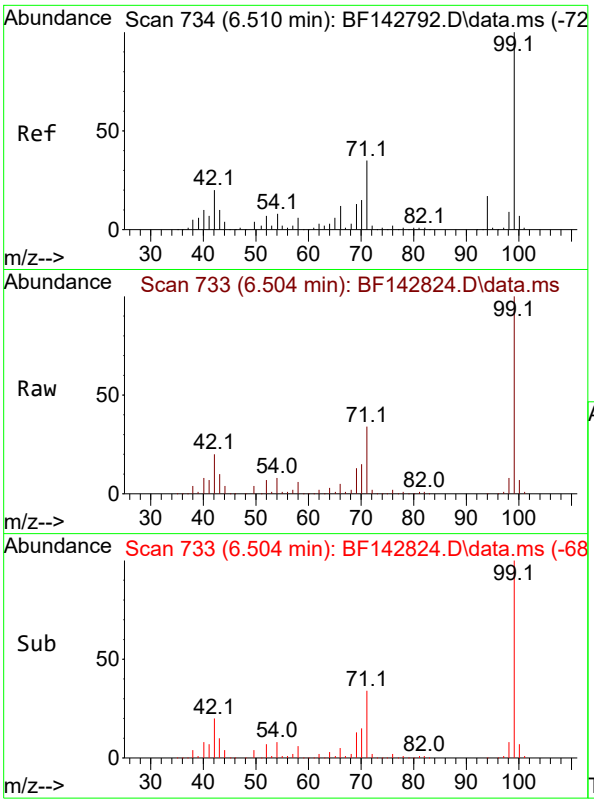


#5
2-Fluorophenol
Concen: 66.160 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:112 Resp: 250519

Ion	Ratio	Lower	Upper
112	100		
64	57.7	48.2	72.2
63	30.5	25.7	38.5



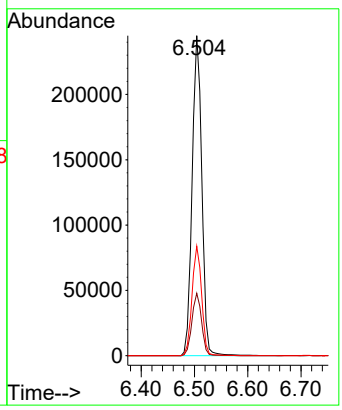


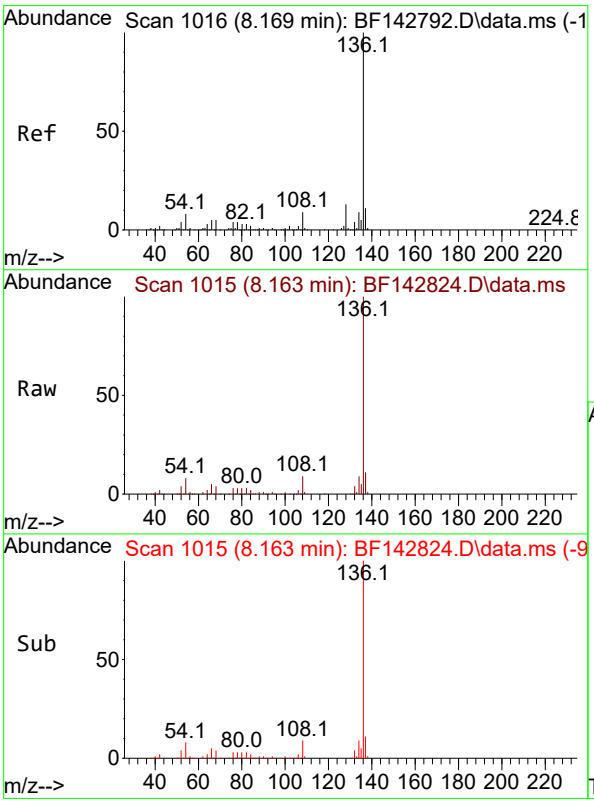
#7
Phenol-d6
Concen: 69.508 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion: 99 Resp: 310518

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.2	27.8	41.8

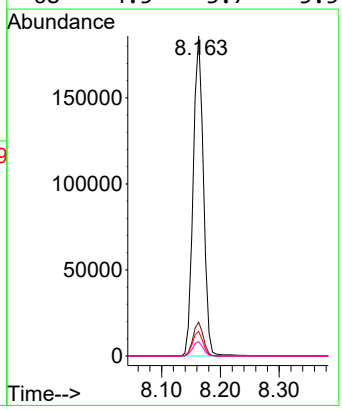


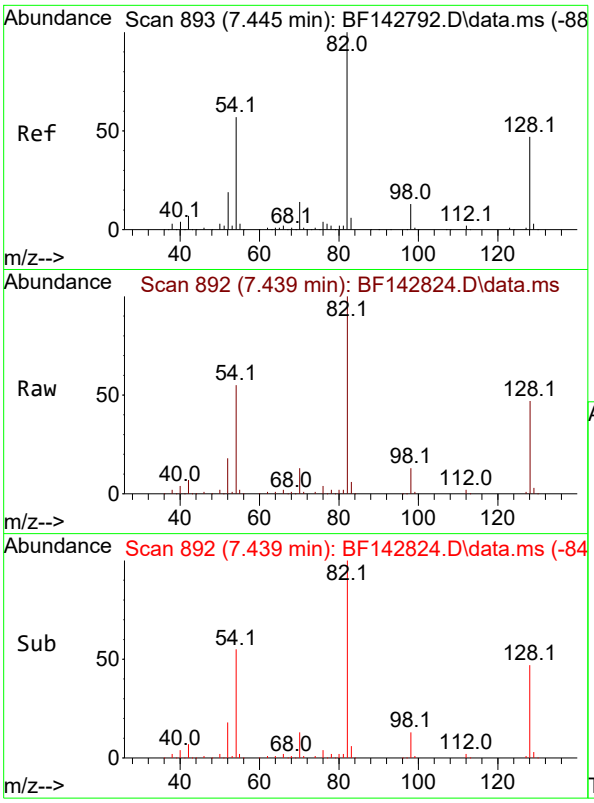


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:136 Resp: 226294

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.7	6.3	9.5
68	4.5	3.7	5.5



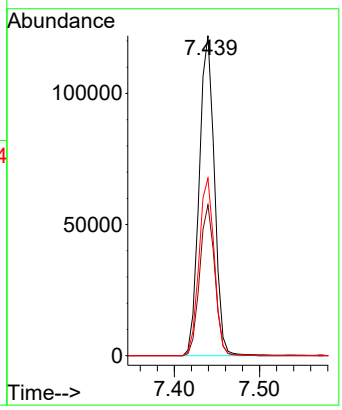


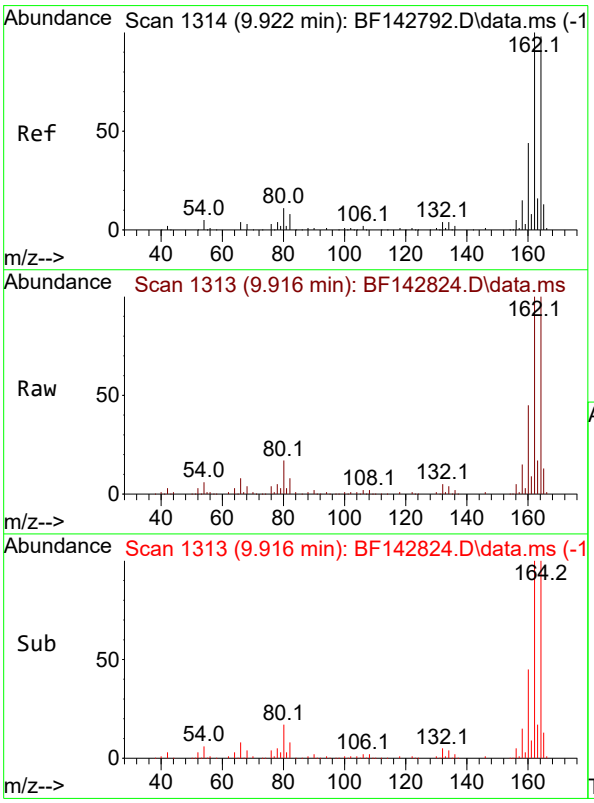
#23
Nitrobenzene-d5
Concen: 36.705 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion: 82 Resp: 151433

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.7	56.5
54	55.5	45.7	68.5

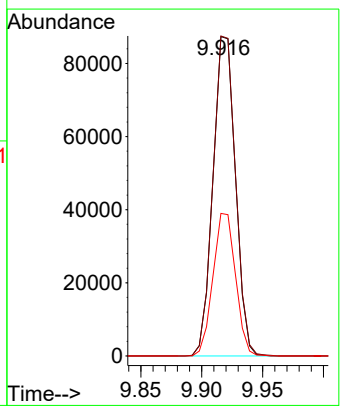


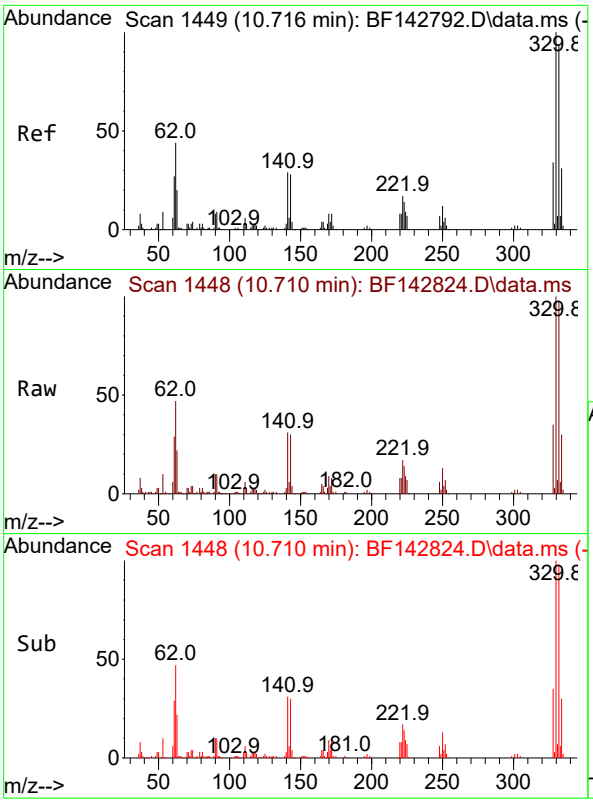


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:164 Resp: 112057

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.8	122.8
160	44.6	36.0	54.0



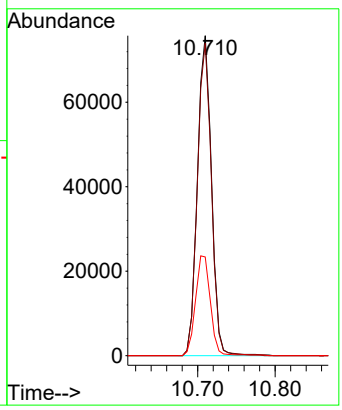


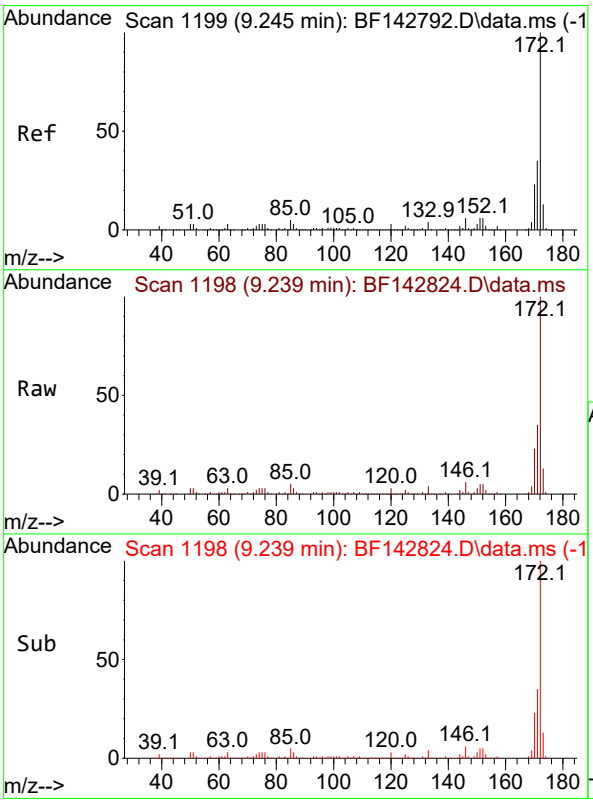
#42
2,4,6-Tribromophenol
Concen: 82.805 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:330 Resp: 95486

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.0	112.6
141	33.1	25.3	37.9

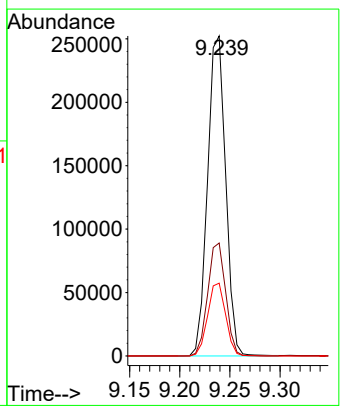


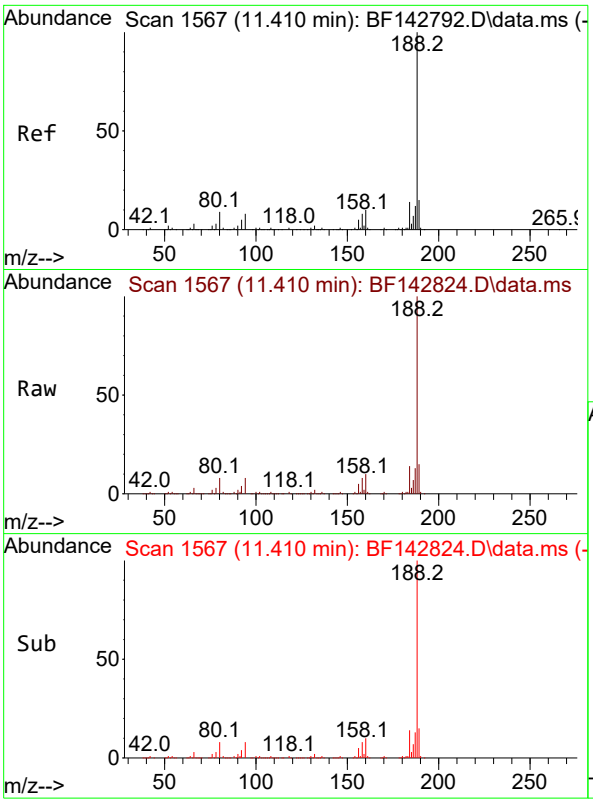


#45
2-Fluorobiphenyl
Concen: 37.224 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:172 Resp: 317524

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	22.7	18.5	27.7



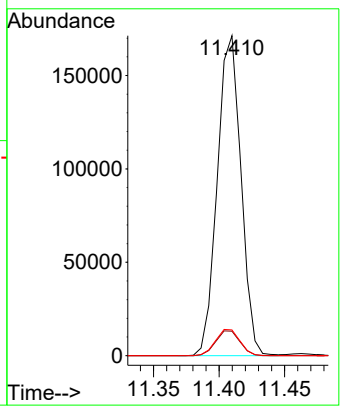


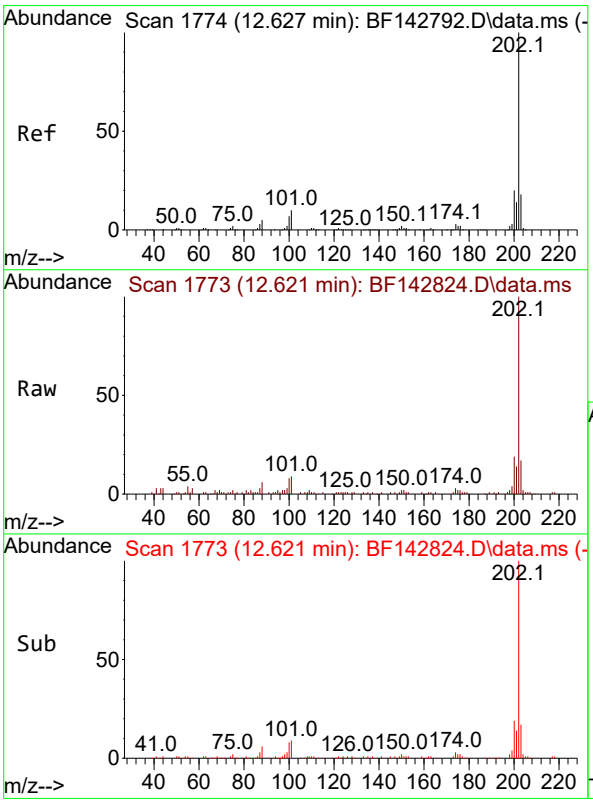
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:188 Resp: 215299

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.0	6.9	10.3

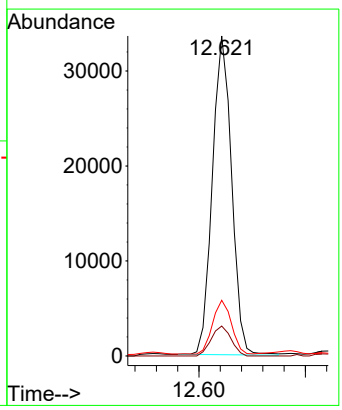


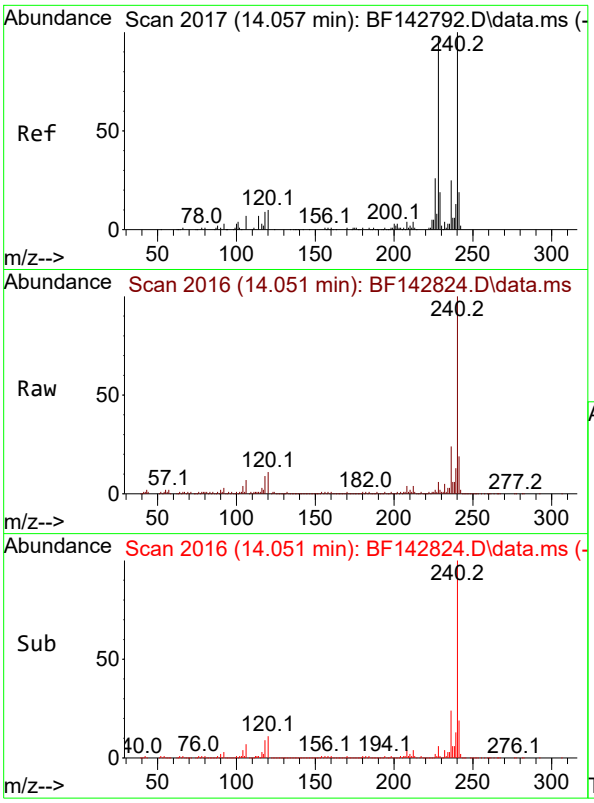


#75
Fluoranthene
Concen: 3.796 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 42021

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.7
203	17.4	0.0	37.5



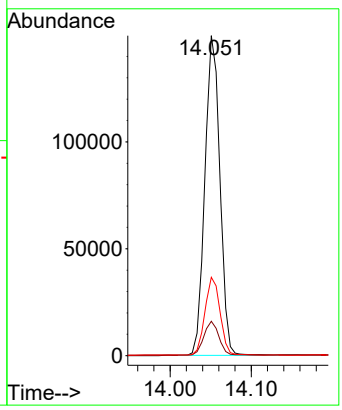


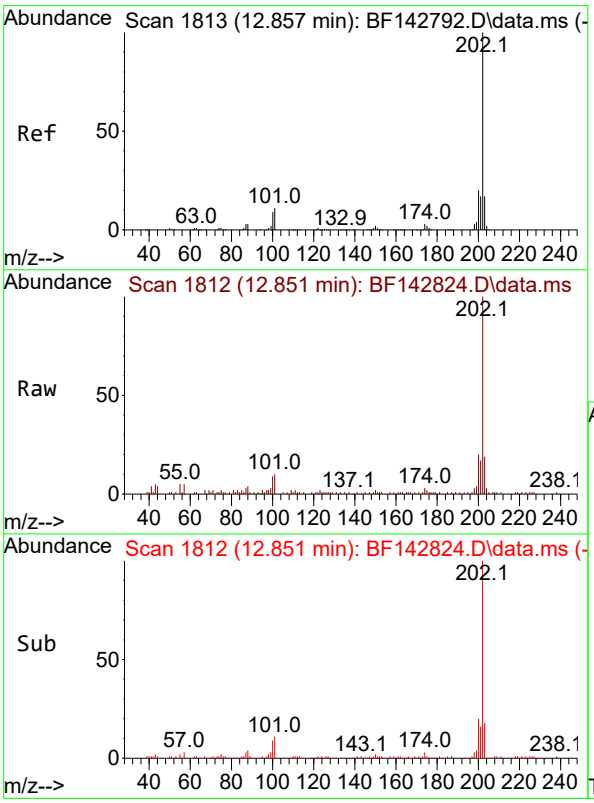
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:240 Resp: 191648

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.2
236	24.5	19.8	29.8

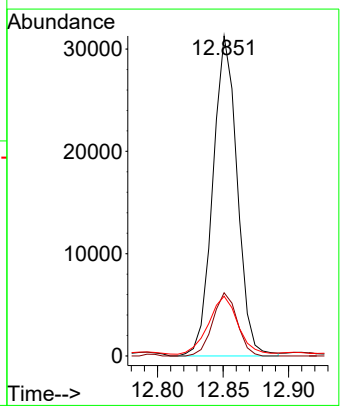


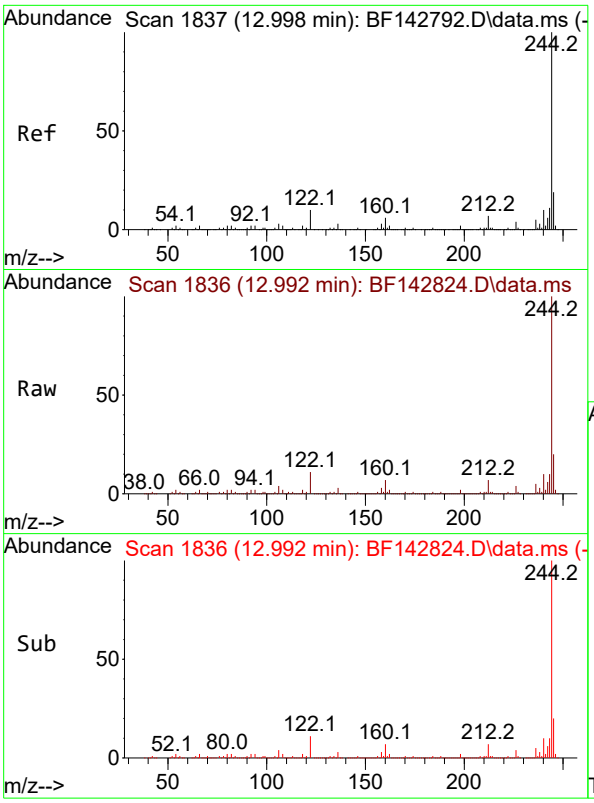


#78
Pyrene
Concen: 2.252 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 40452

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	18.7	13.8	20.6



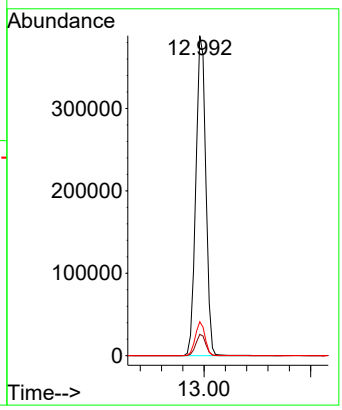


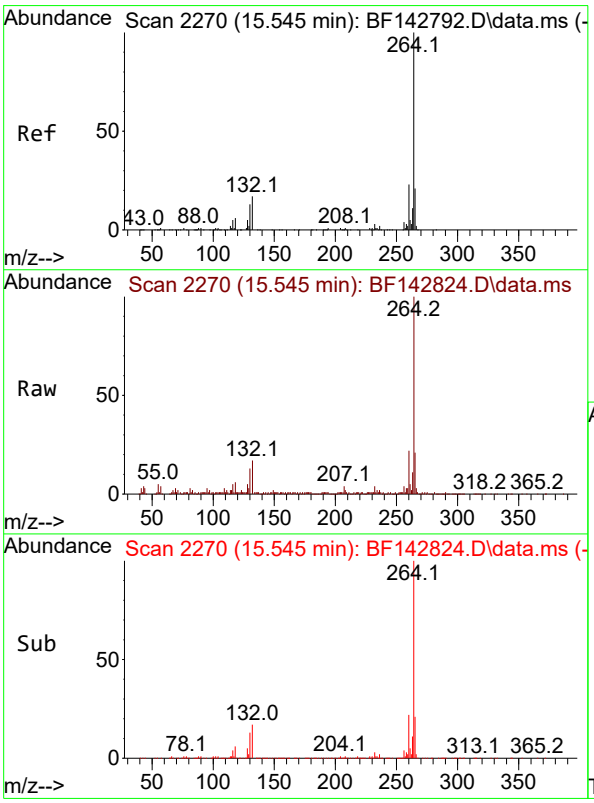
#79
Terphenyl-d14
Concen: 36.377 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:244 Resp: 504565

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.6	8.2	12.2

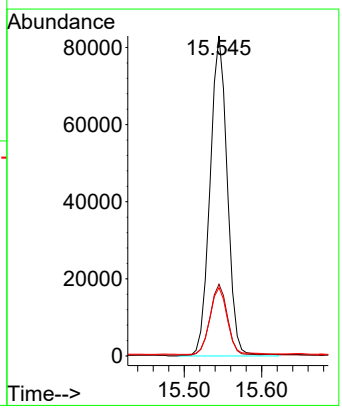


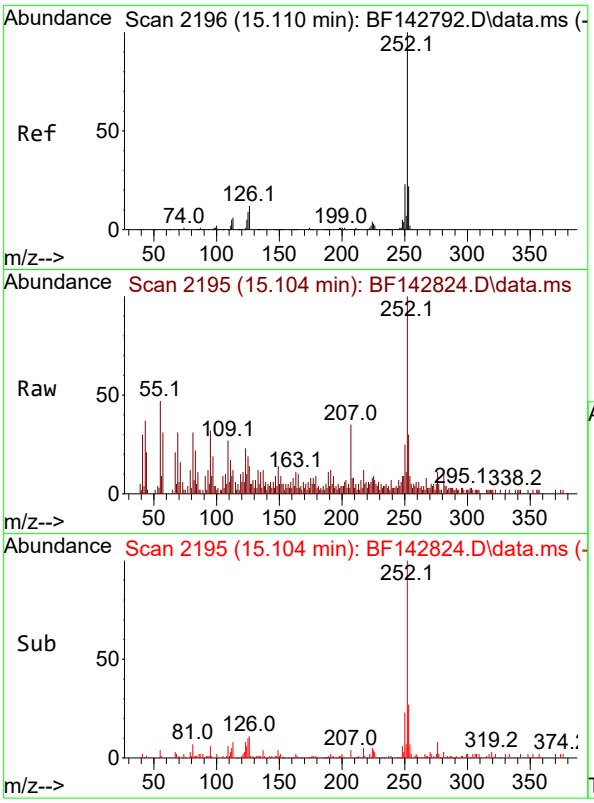


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:264 Resp: 128238

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.4	16.6	25.0



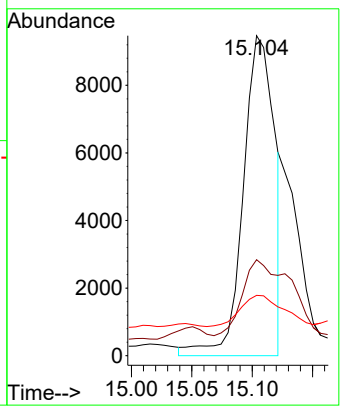


#88
Benzo(b)fluoranthene
Concen: 2.309 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Tgt Ion:252 Resp: 17137

Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.5	26.3#
125	18.8	7.4	11.0#



Sample Results: **BF142824.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142824.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	483	491	503	rBV	68513	99858	7.44%	1.132%
2	5.492	555	561	580	rBV	670500	855352	63.69%	9.696%
3	6.504	728	733	748	rBV	701195	889344	66.22%	10.082%
4	6.881	792	797	802	rBV	289179	362111	26.96%	4.105%
5	7.439	881	892	897	rBV	368855	459491	34.21%	5.209%
6	8.163	1007	1015	1022	rBV	360639	444762	33.12%	5.042%
7	9.239	1192	1198	1203	rBV	695850	883308	65.77%	10.013%
8	9.916	1309	1313	1318	rBV	363269	463992	34.55%	5.260%
9	10.345	1378	1386	1389	rBV3	10367	16533	1.23%	0.187%
10	10.633	1430	1435	1442	rBV	75381	98861	7.36%	1.121%
11	10.710	1442	1448	1459	rVV	557901	732344	54.53%	8.302%
12	10.822	1463	1467	1477	rVB2	15110	25652	1.91%	0.291%
13	11.269	1538	1543	1545	rBV	11781	16121	1.20%	0.183%
14	11.410	1561	1567	1575	rBV	411235	569475	42.40%	6.456%
15	11.927	1648	1655	1667	rBV3	92301	165172	12.30%	1.872%
16	12.021	1667	1671	1679	rVB4	13655	29133	2.17%	0.330%
17	12.104	1681	1685	1689	rBV2	9943	14103	1.05%	0.160%
18	12.492	1748	1751	1757	rVB5	13182	19412	1.45%	0.220%
19	12.621	1769	1773	1778	rBV	76592	102301	7.62%	1.160%
20	12.716	1786	1789	1794	rBV3	14661	20691	1.54%	0.235%
21	12.851	1807	1812	1820	rBV	69503	103004	7.67%	1.168%
22	12.992	1831	1836	1844	rVB	1030337	1342955	100.00%	15.224%
23	13.892	1985	1989	1999	rVB2	79286	136898	10.19%	1.552%
24	14.051	2011	2016	2028	rVB	411287	591455	44.04%	6.705%
25	15.545	2265	2270	2280	rVB	224942	379203	28.24%	4.299%

Sum of corrected areas: 8821531

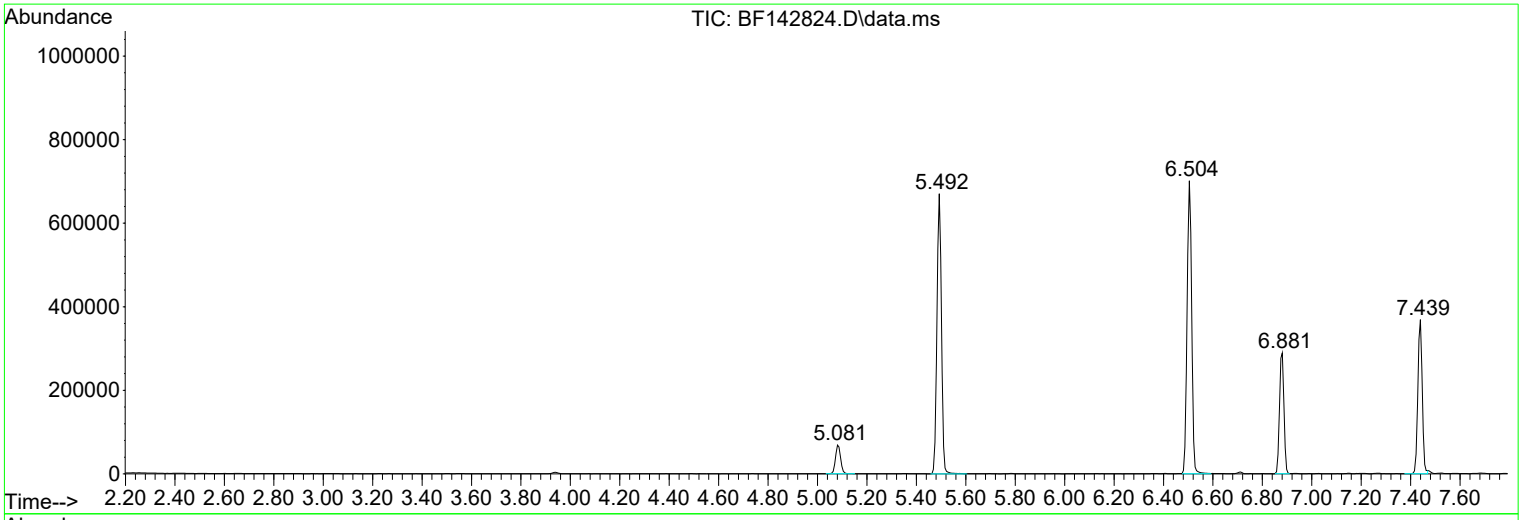
Sample Results: **BF142824.D**

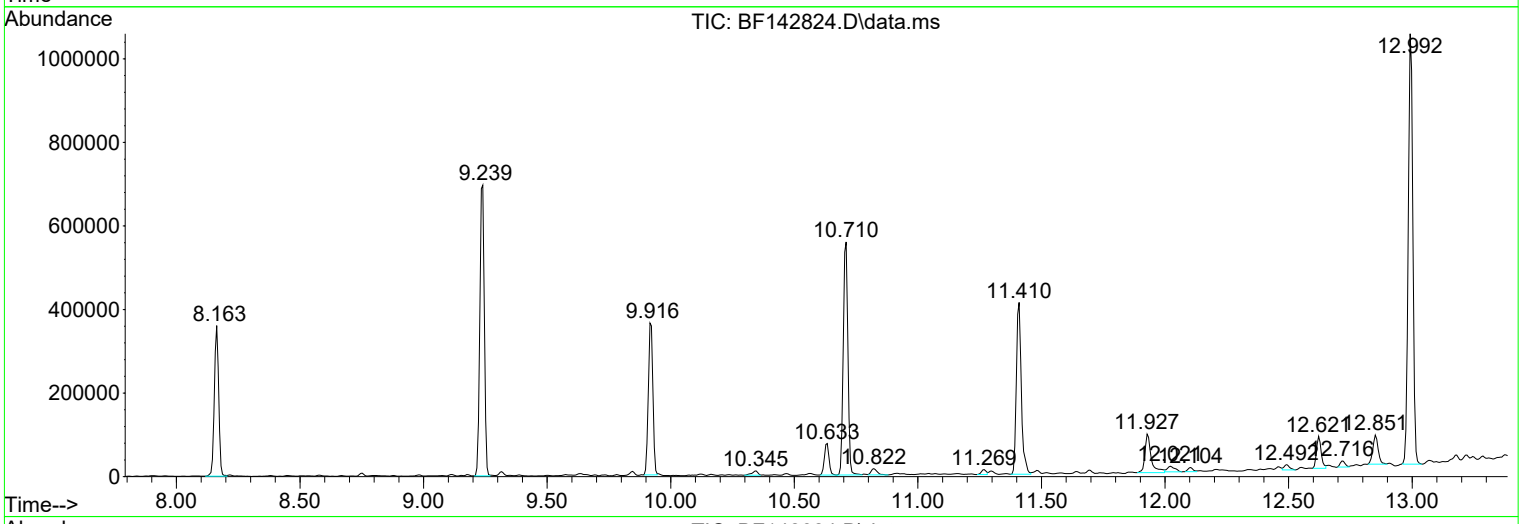
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

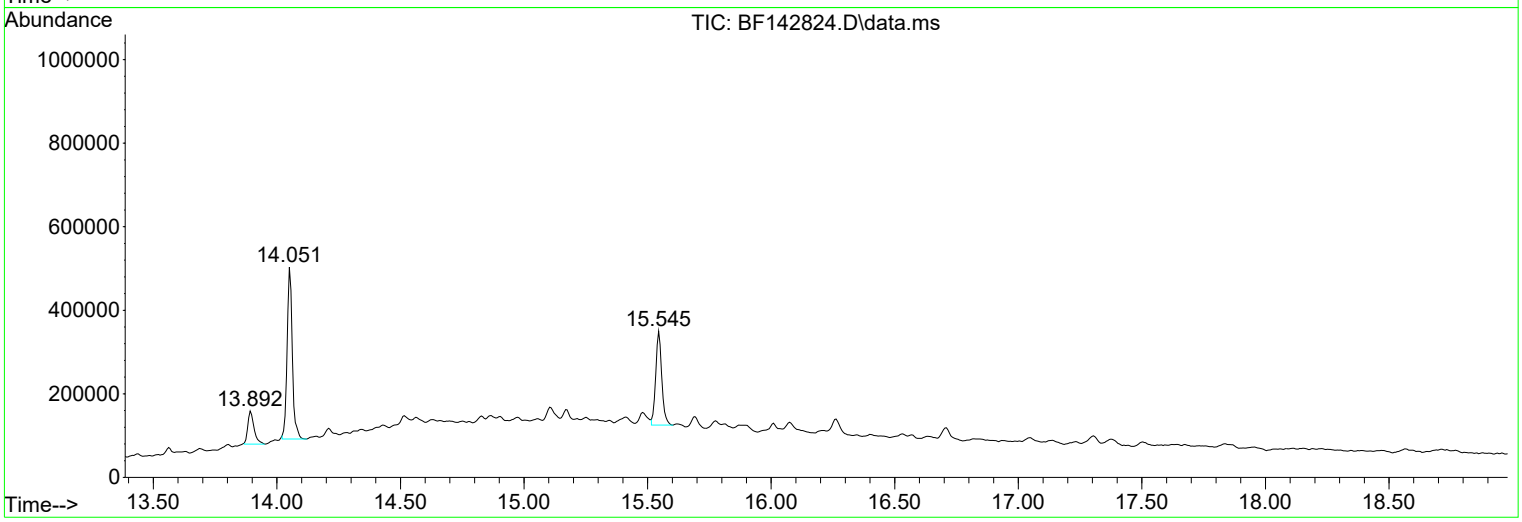
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

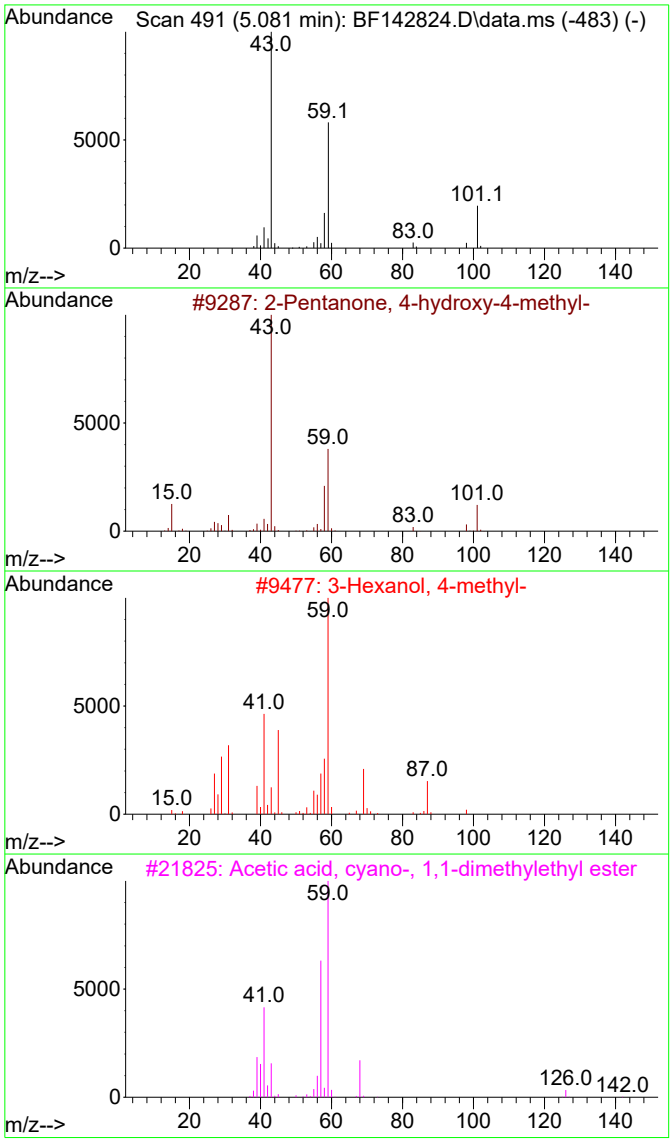
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

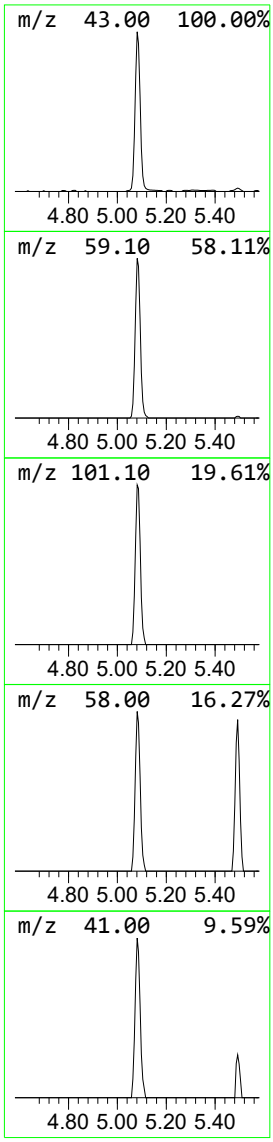
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.52 ng	99858	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

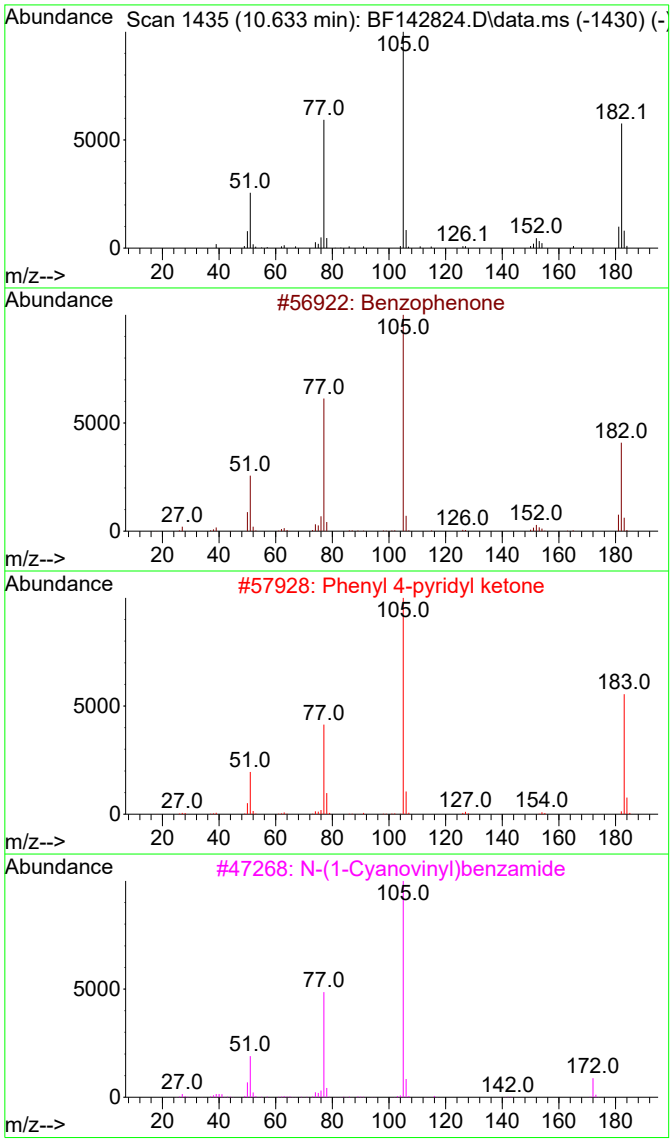
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

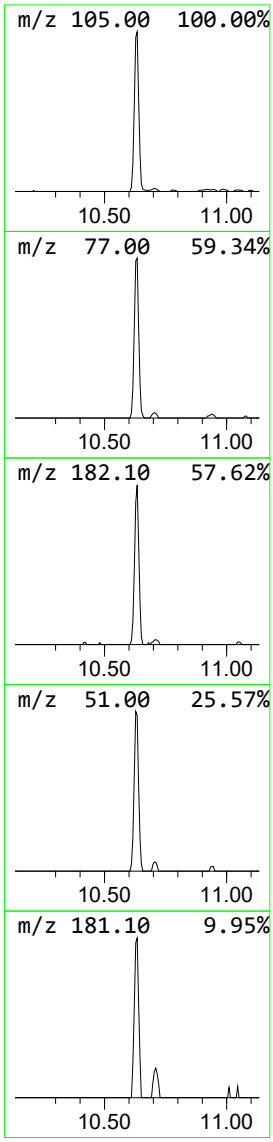
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.26 ng	98861	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

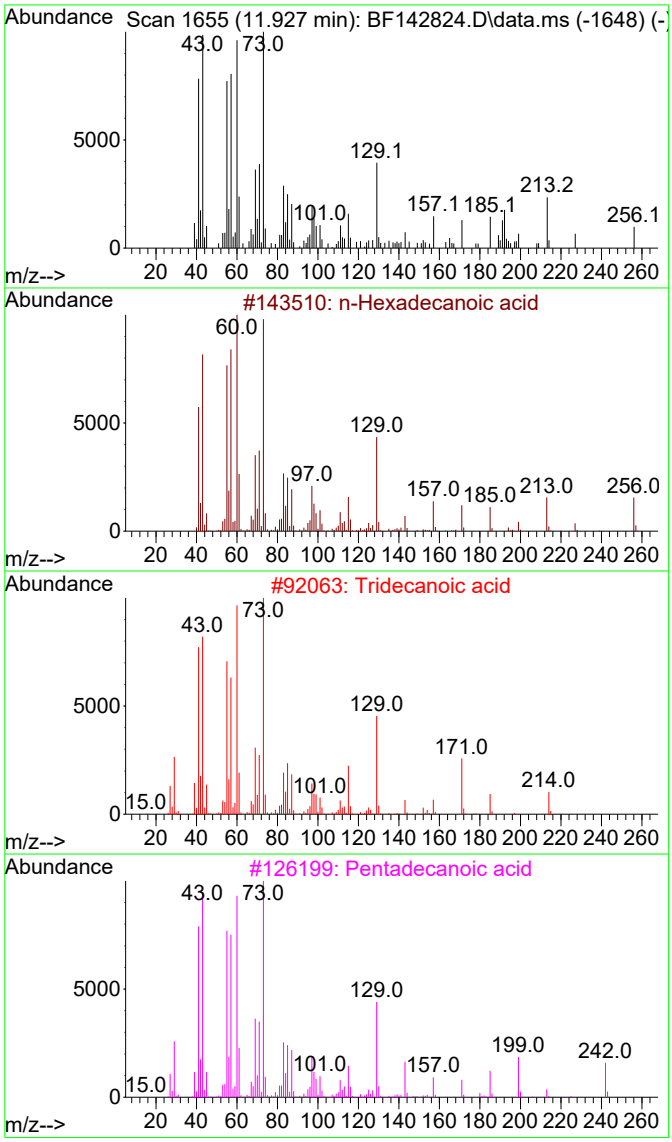
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

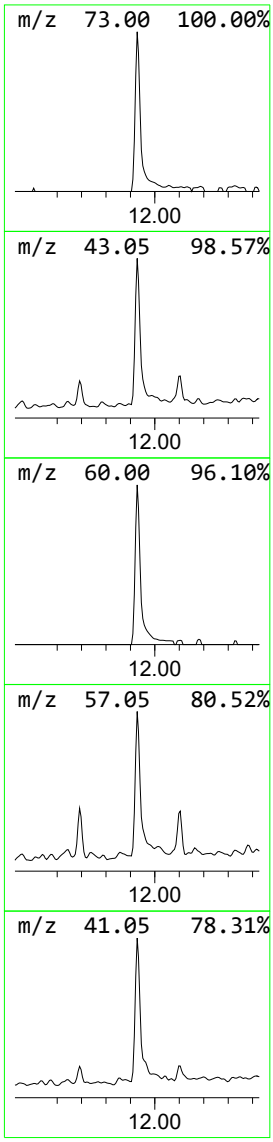
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	5.80 ng	165172	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Butyl n-pentyl disulfide	192	C9H20S2	072437-52-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

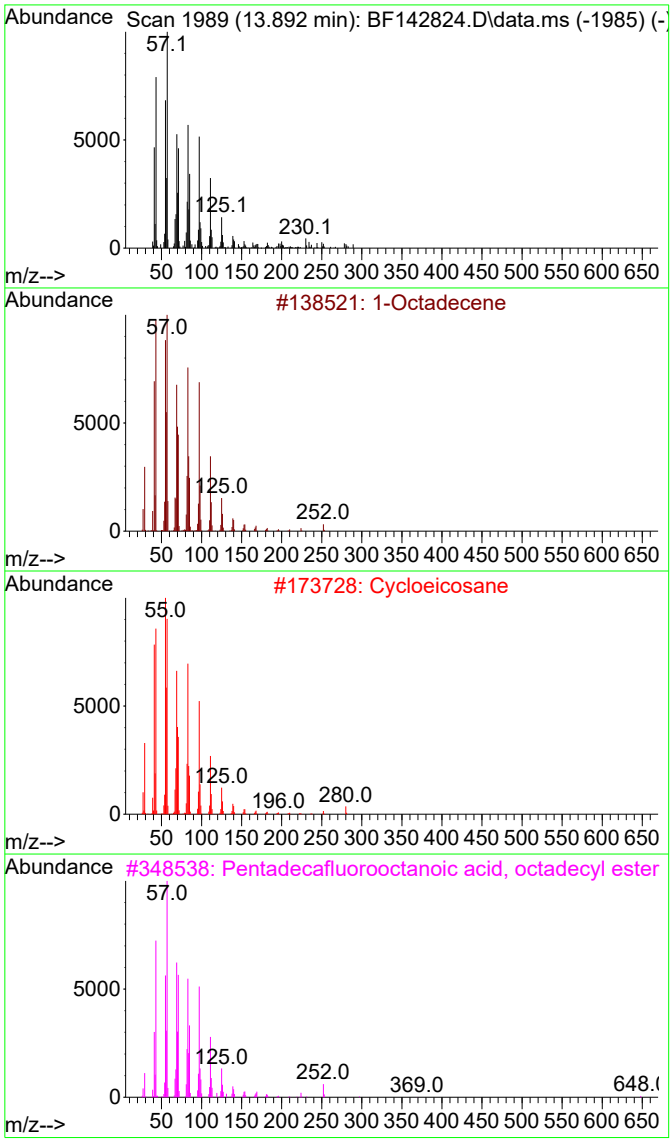
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

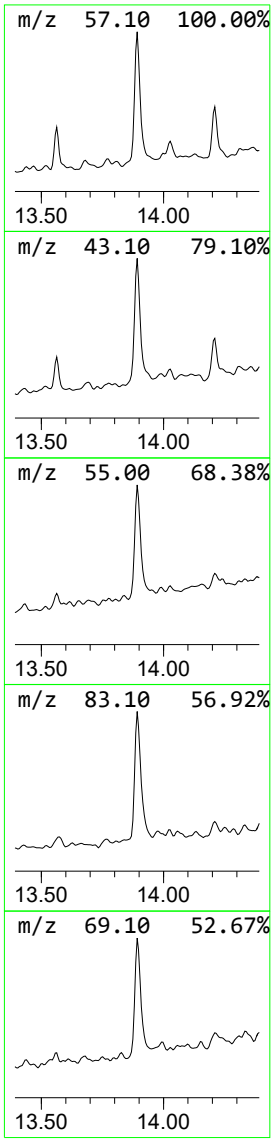
****

Peak Number 4 1-Octadecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	136898	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	97
2	Cycloeicosane	280	C20H40	000296-56-0	97
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91





Sample Results: **BF142824.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.5	ng	99858	1	6.881	362111	20.0
Benzophenone	10.633	4.3	ng	98861	3	9.916	463992	20.0
n-Hexadecanoic ...	11.927	5.8	ng	165172	4	11.410	569475	20.0
1-Octadecene	13.892	4.6	ng	136898	5	14.051	591455	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

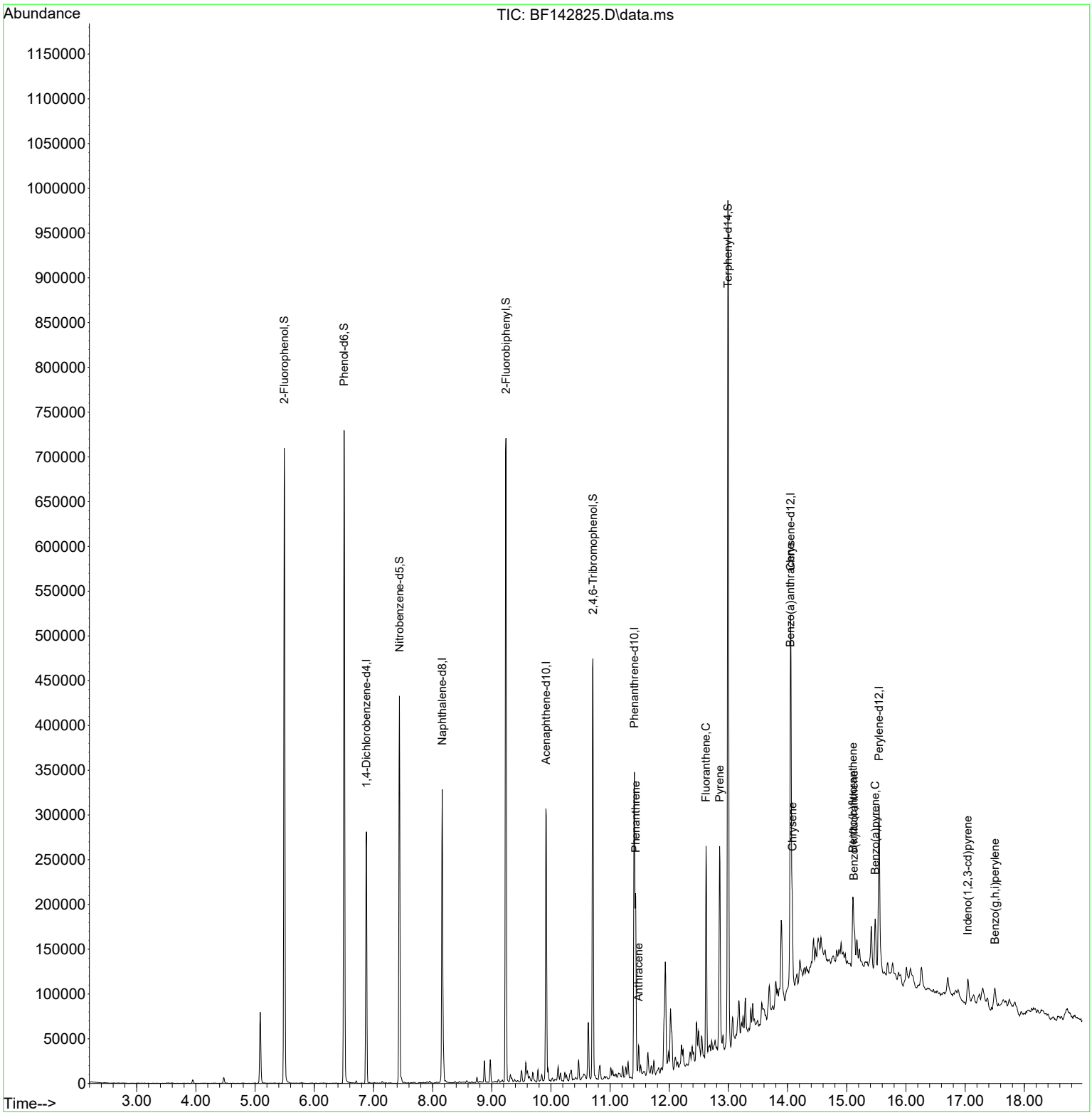
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	62168	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	204115	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	93623	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	176025	20.000	ng		0.00
76) Chrysene-d12	14.051	240	164289	20.000	ng		0.00
86) Perylene-d12	15.545	264	108830	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	274425	73.494	ng		0.00
7) Phenol-d6	6.504	99	322389	73.181	ng		0.00
23) Nitrobenzene-d5	7.440	82	176503	47.431	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	79439	82.453	ng		0.00
45) 2-Fluorobiphenyl	9.240	172	330689	46.401	ng		0.00
79) Terphenyl-d14	12.992	244	454273	38.205	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	109101	11.442	ng		99
72) Anthracene	11.481	178	22143	2.264	ng		95
75) Fluoranthene	12.622	202	130199	14.387	ng		100
78) Pyrene	12.851	202	132593	8.610	ng		98
81) Benzo(a)anthracene	14.045	228	67610	6.100	ng	#	94
83) Chrysene	14.080	228	52805	5.339	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.045	276	20448	2.467	ng		95
88) Benzo(b)fluoranthene	15.104	252	47823m	7.594	ng		
89) Benzo(k)fluoranthene	15.121	252	17777m	3.017	ng		
90) Benzo(a)pyrene	15.480	252	35069	5.764	ng	#	94
92) Benzo(g,h,i)perylene	17.504	276	20296	3.022	ng		96

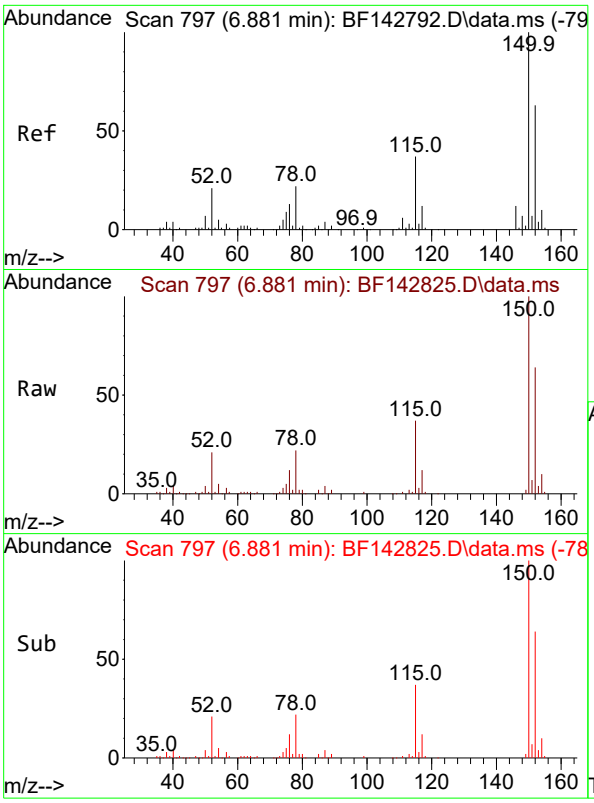
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



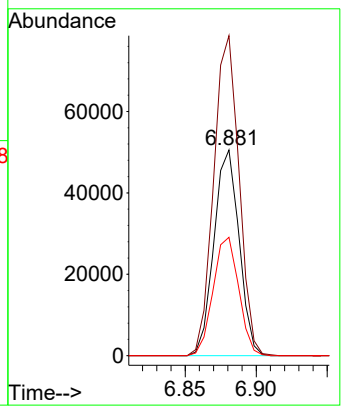


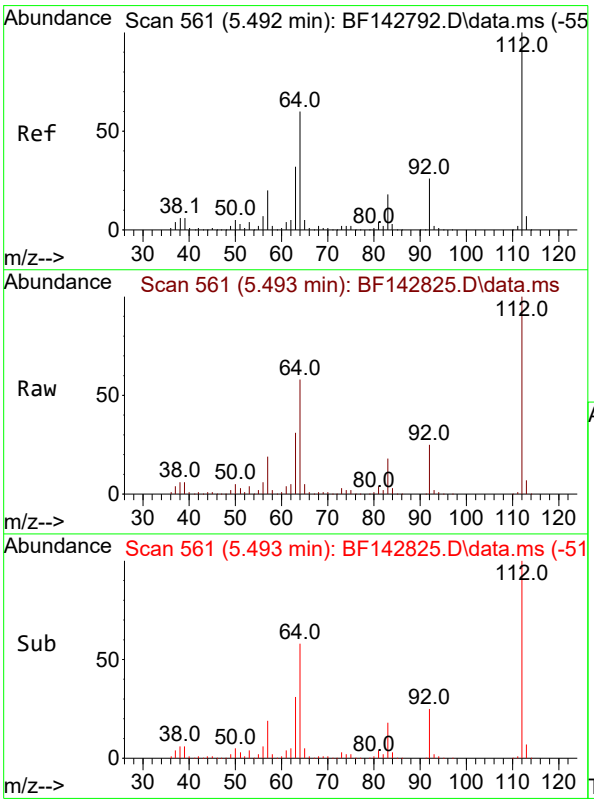
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:152 Resp: 62168

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.2	190.8
115	57.5	46.6	69.8

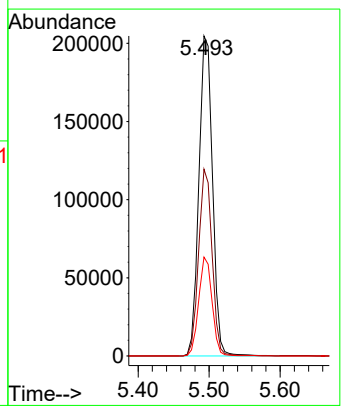


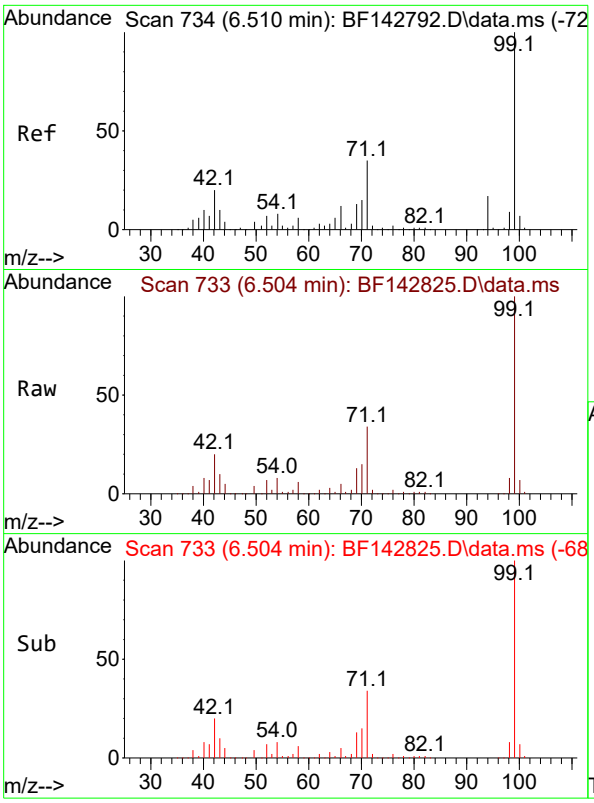


#5
2-Fluorophenol
Concen: 73.494 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:112 Resp: 274425

Ion	Ratio	Lower	Upper
112	100		
64	58.4	48.2	72.2
63	30.9	25.7	38.5



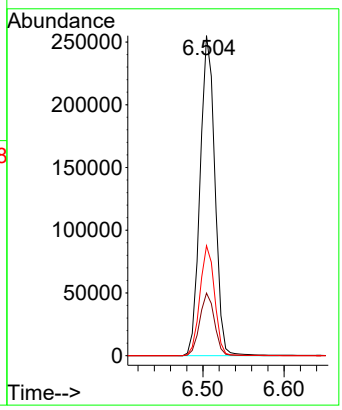


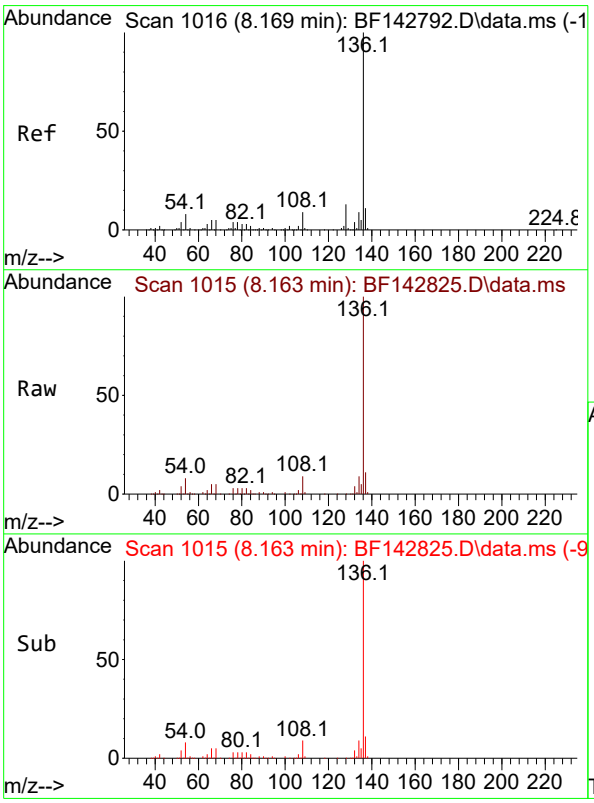
#7
Phenol-d6
Concen: 73.181 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion: 99 Resp: 322389

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.3	27.8	41.8

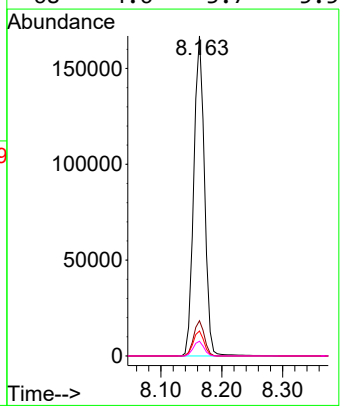


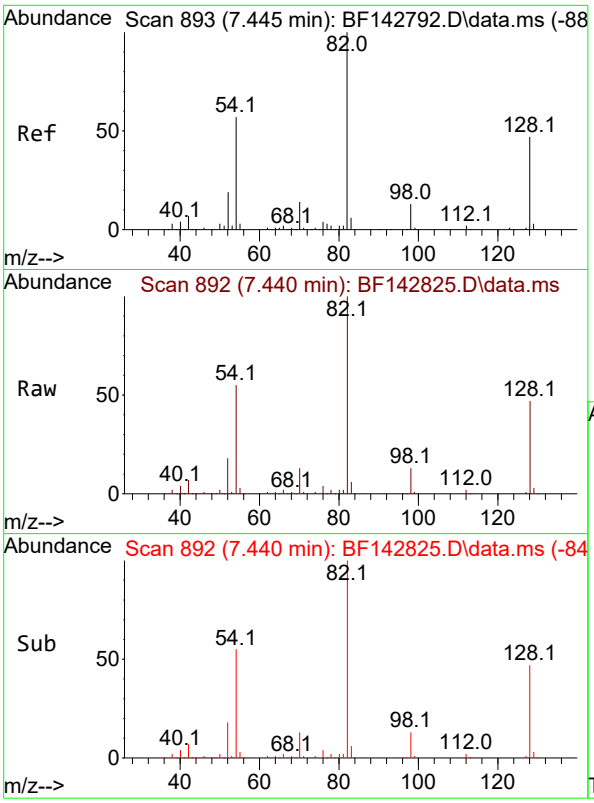


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:136 Resp: 204115

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.8	6.3	9.5
68	4.6	3.7	5.5



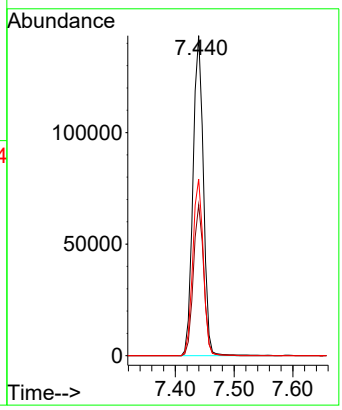


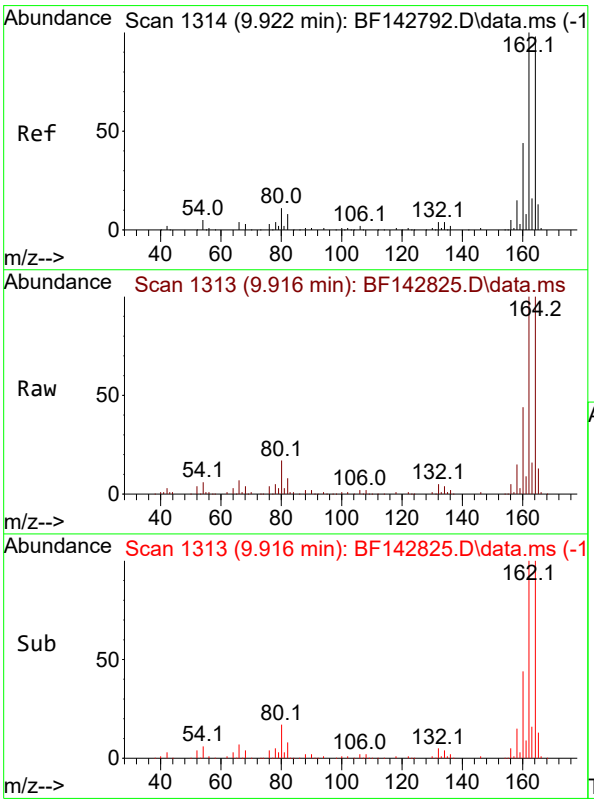
#23
Nitrobenzene-d5
Concen: 47.431 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion: 82 Resp: 176503

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	55.2	45.7	68.5

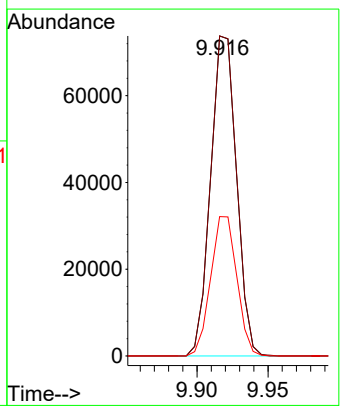


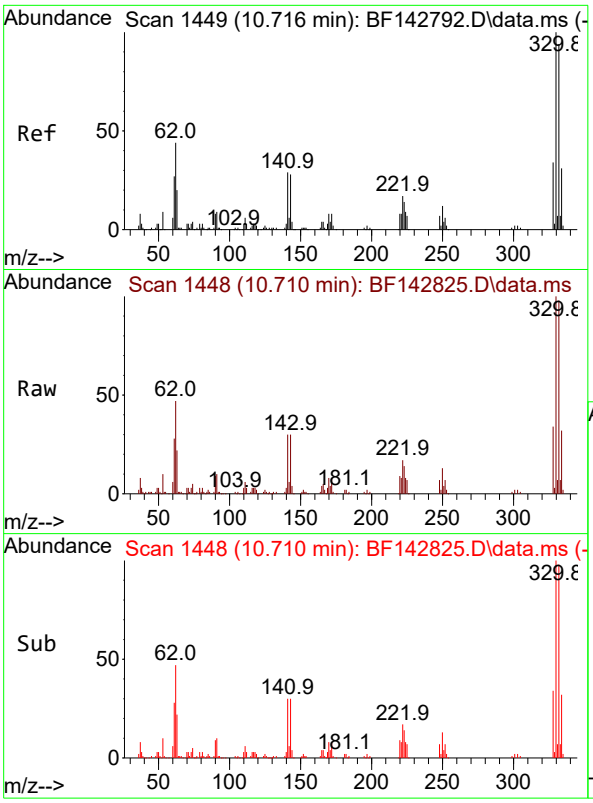


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:164 Resp: 93623

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	43.6	36.0	54.0



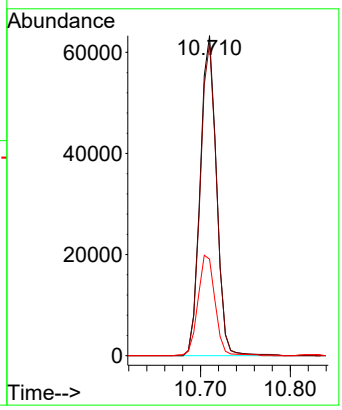


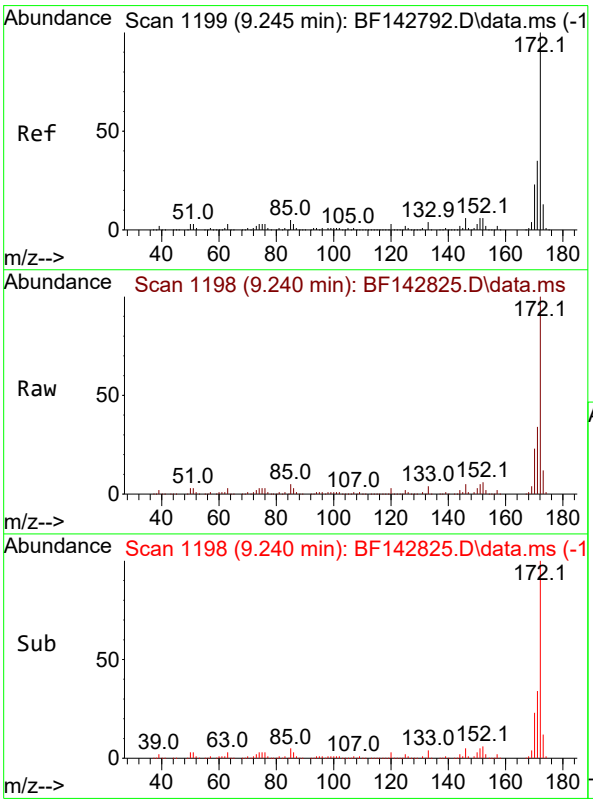
#42
2,4,6-Tribromophenol
Concen: 82.453 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:330 Resp: 79439

Ion	Ratio	Lower	Upper
330	100		
332	97.9	75.0	112.6
141	33.1	25.3	37.9

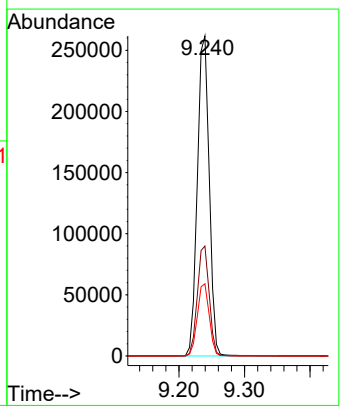


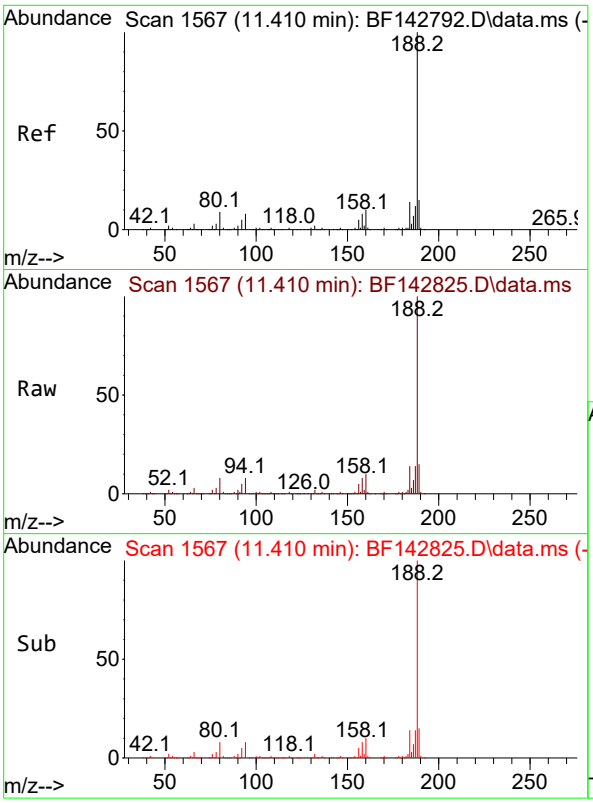


#45
2-Fluorobiphenyl
Concen: 46.401 ng
RT: 9.240 min Scan# 1198
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:172 Resp: 330689

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.2	42.4
170	22.5	18.5	27.7



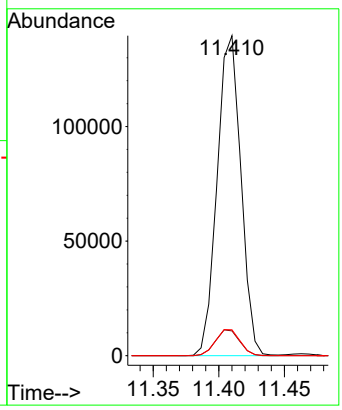


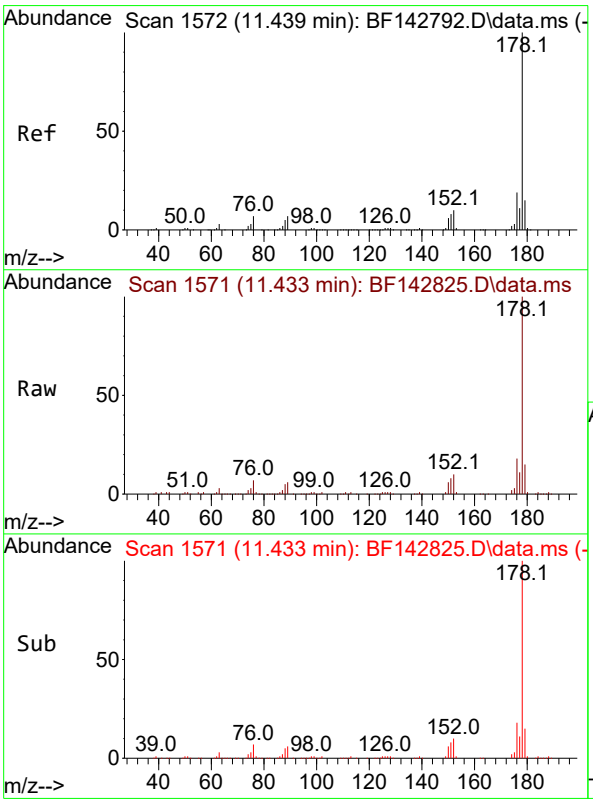
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:188 Resp: 176025

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

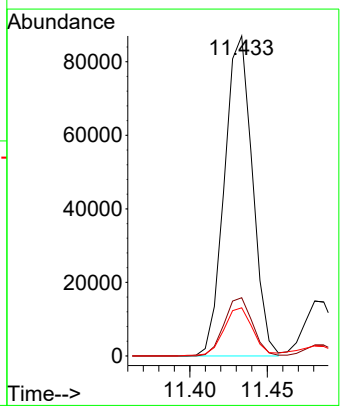


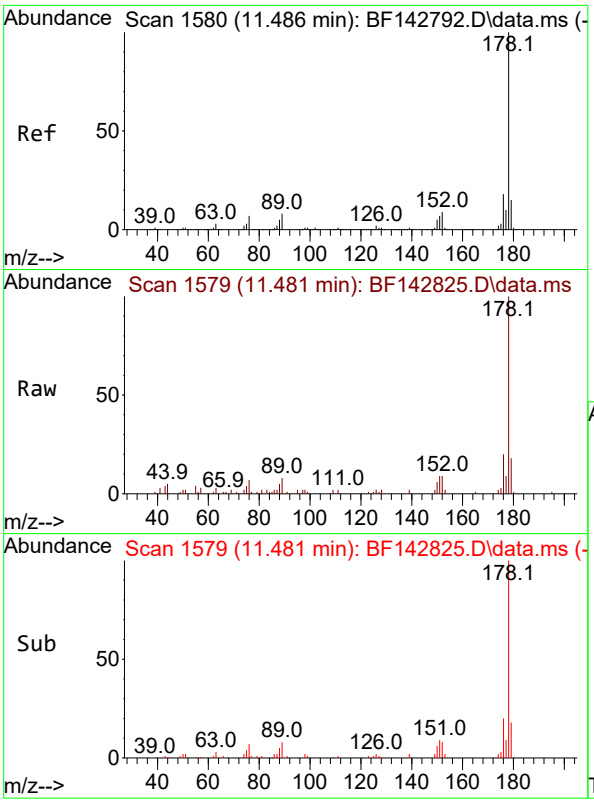


#71
Phenanthrene
Concen: 11.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:178 Resp: 109101

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.1	12.0	18.0



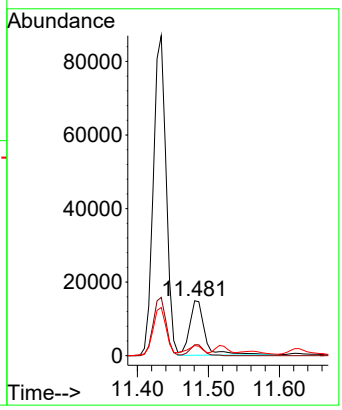


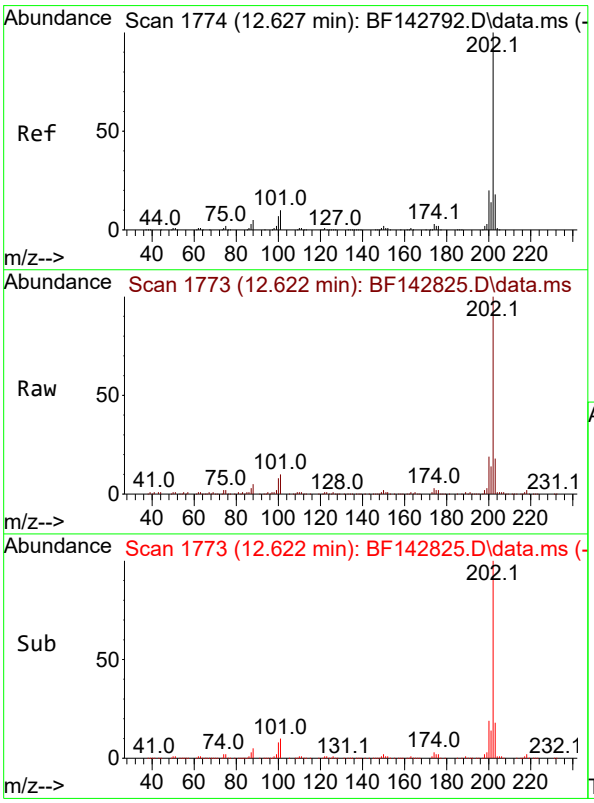
#72
Anthracene
Concen: 2.264 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:178 Resp: 22143

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.6	21.8
179	18.3	12.4	18.6

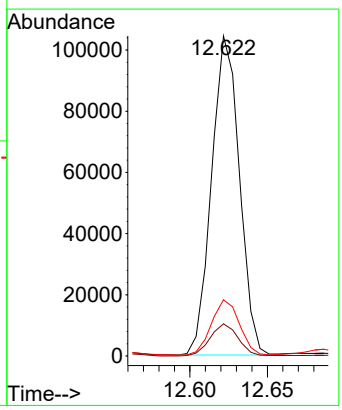


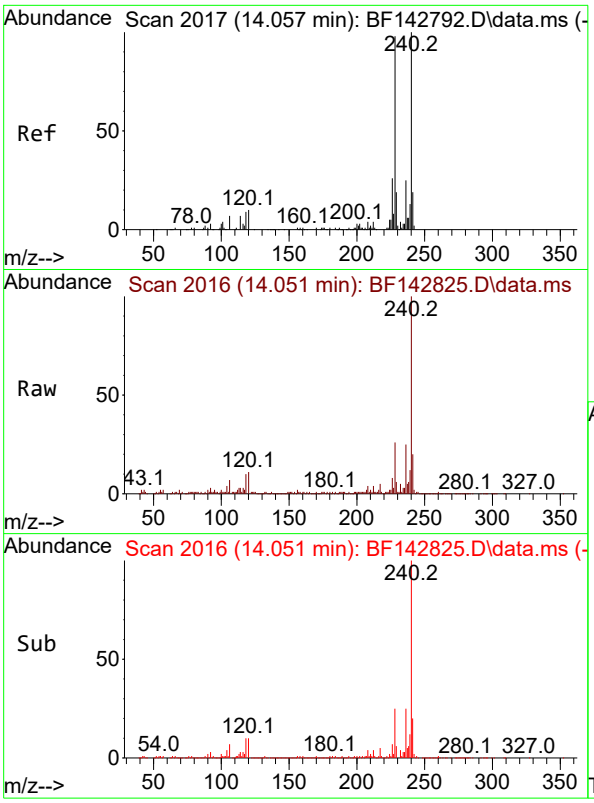


#75
Fluoranthene
Concen: 14.387 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 130199

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.5	0.0	37.5



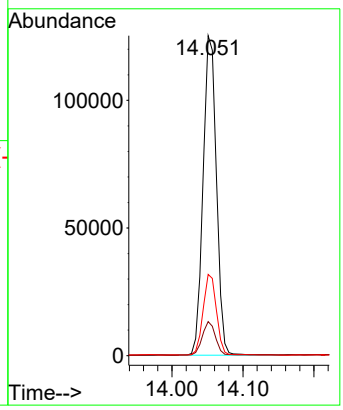


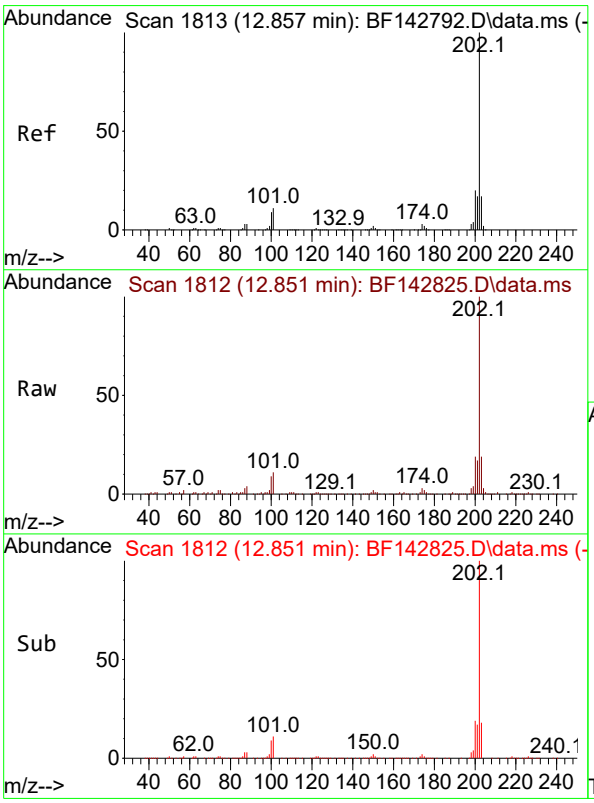
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:240 Resp: 164289

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	25.4	19.8	29.8

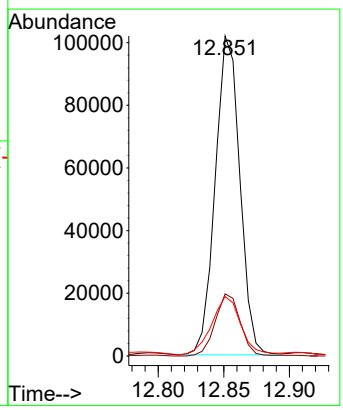


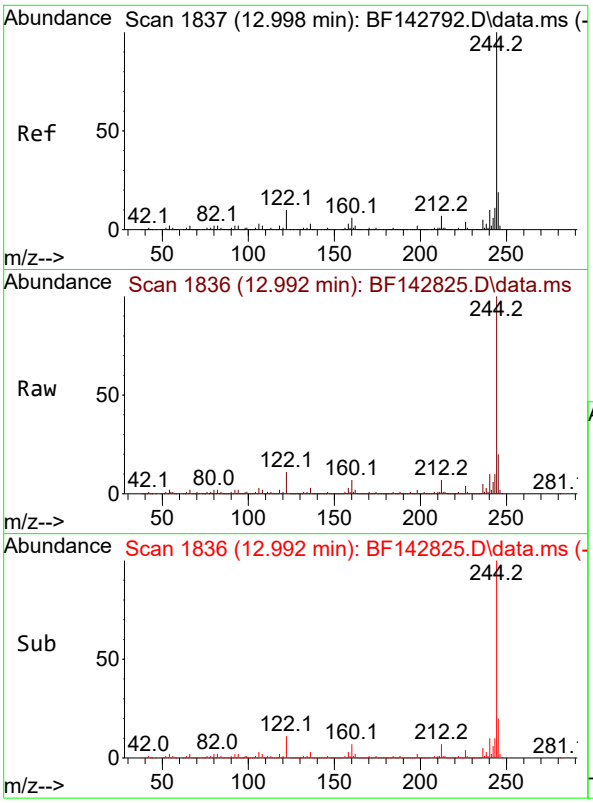


#78
Pyrene
Concen: 8.610 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 132593

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	18.5	13.8	20.6



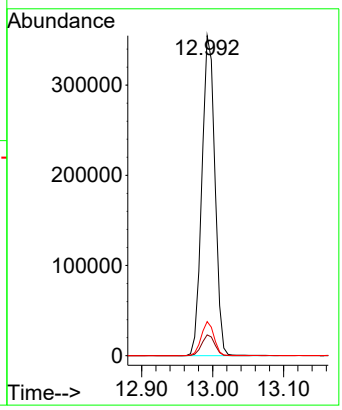


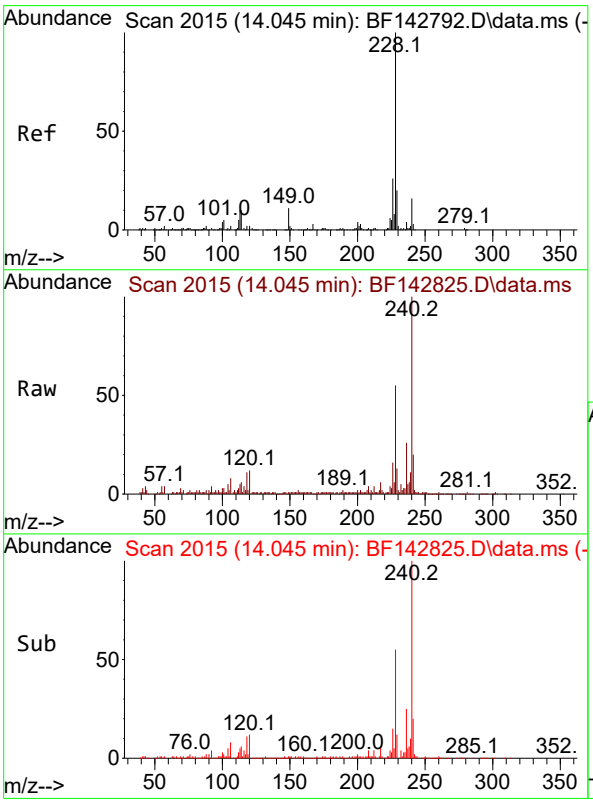
#79
Terphenyl-d14
Concen: 38.205 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:244 Resp: 454273

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.6	8.2	12.2

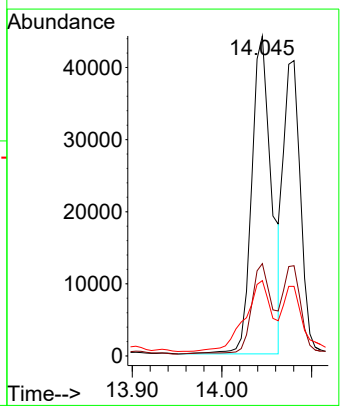


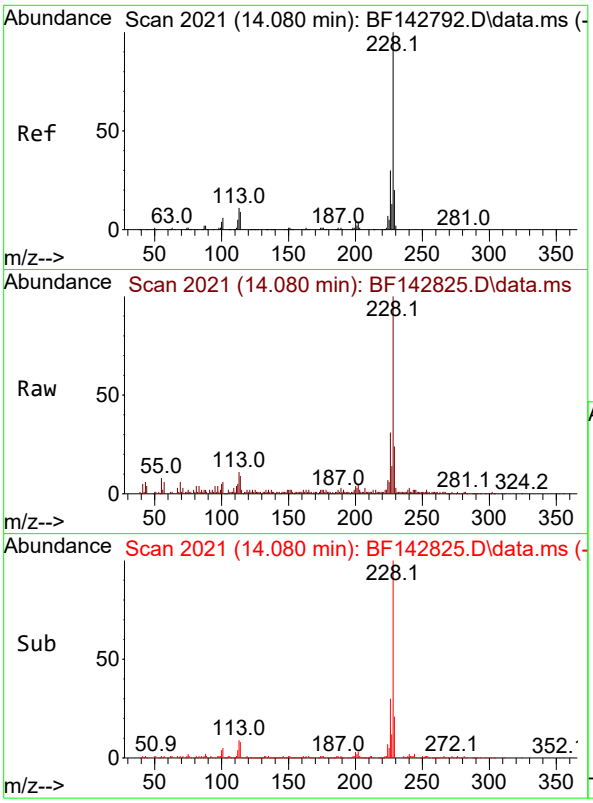


#81
Benzo(a)anthracene
Concen: 6.100 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:228 Resp: 67610

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.2	31.8
229	23.6	15.6	23.4#



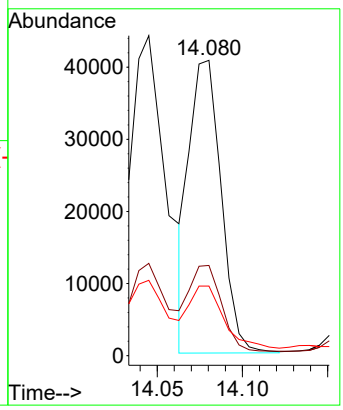


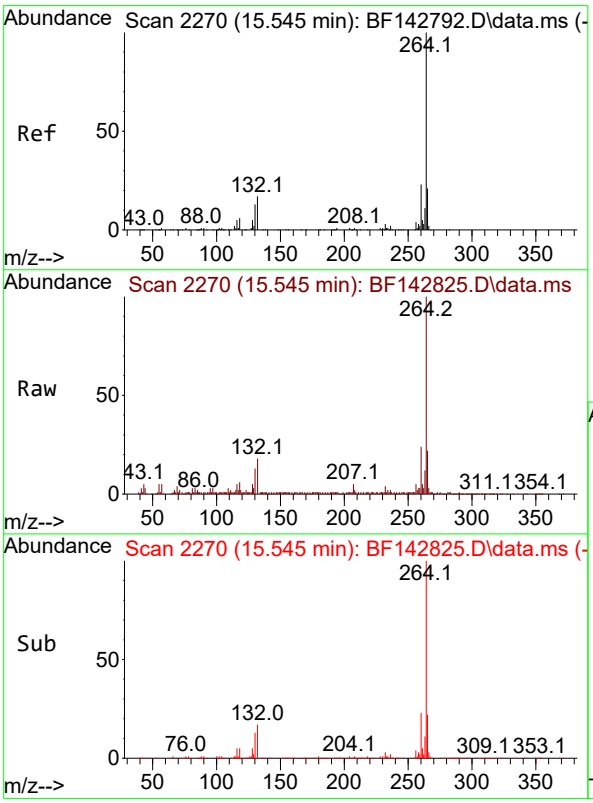
#83
Chrysene
Concen: 5.339 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:228 Resp: 52805

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	23.6	15.7	23.5#

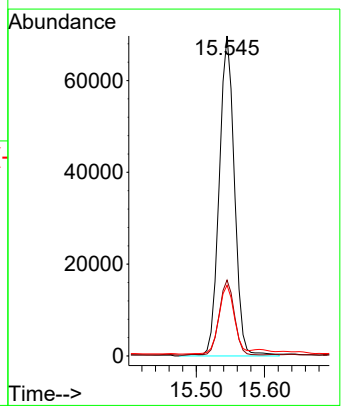


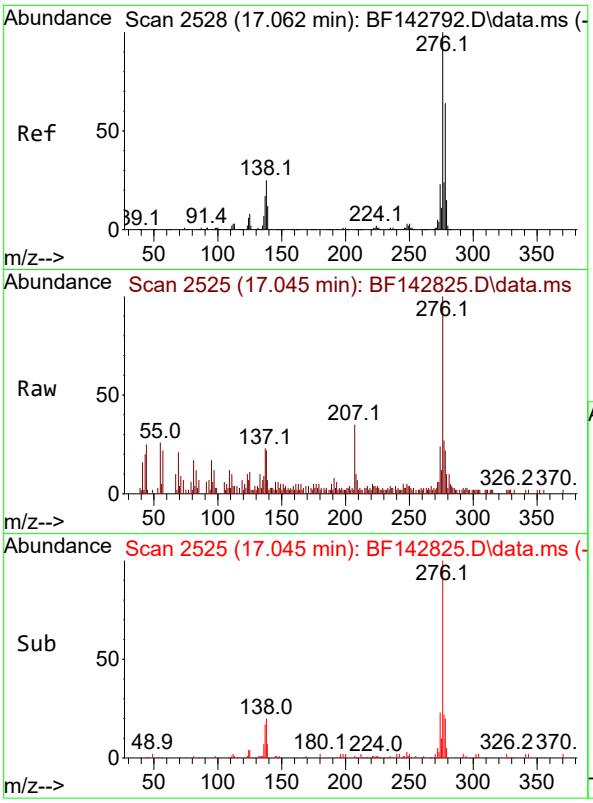


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:264 Resp: 108830

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	22.1	16.6	25.0



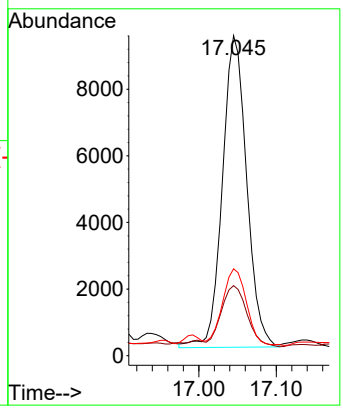


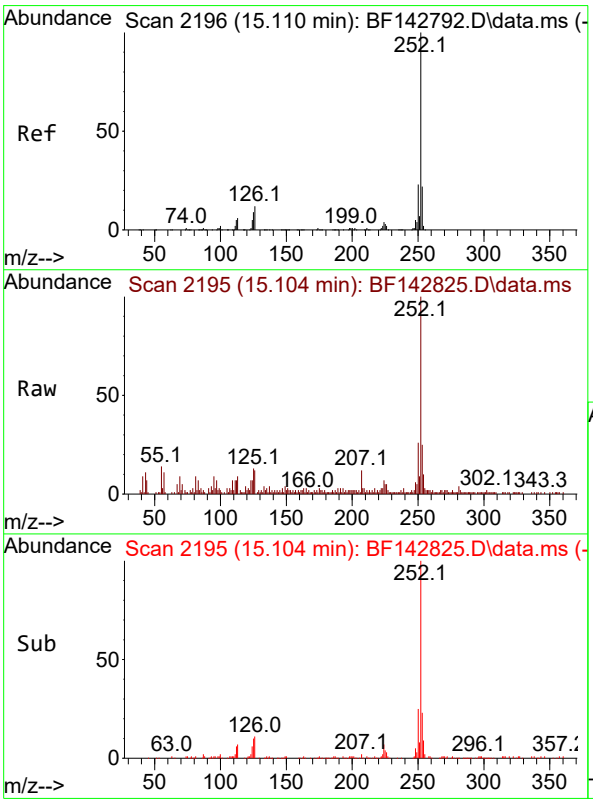
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.467 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:276 Resp: 20448

Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.2	30.4
277	24.0	19.8	29.6

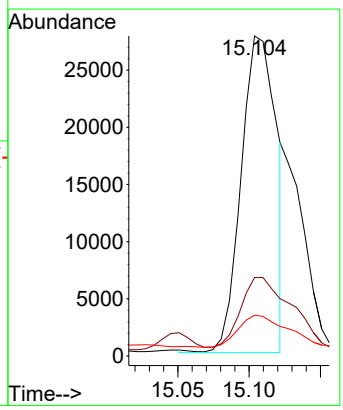


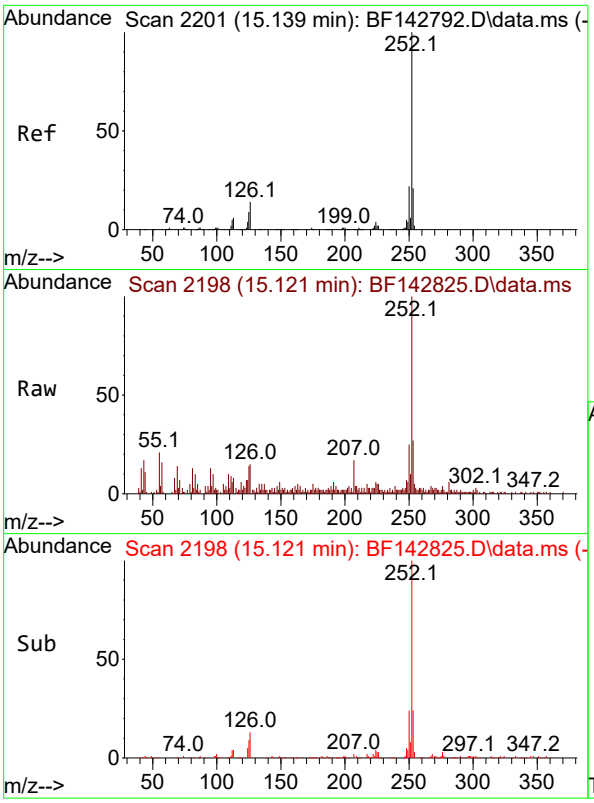


#88
Benzo(b)fluoranthene
Concen: 7.594 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:252 Resp: 47823

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.7	7.4	11.0#



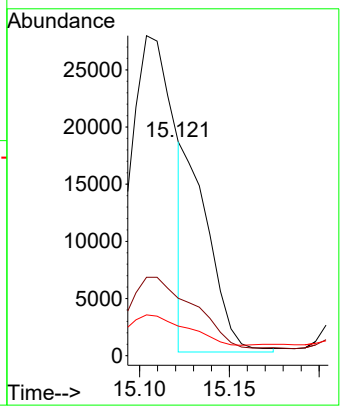


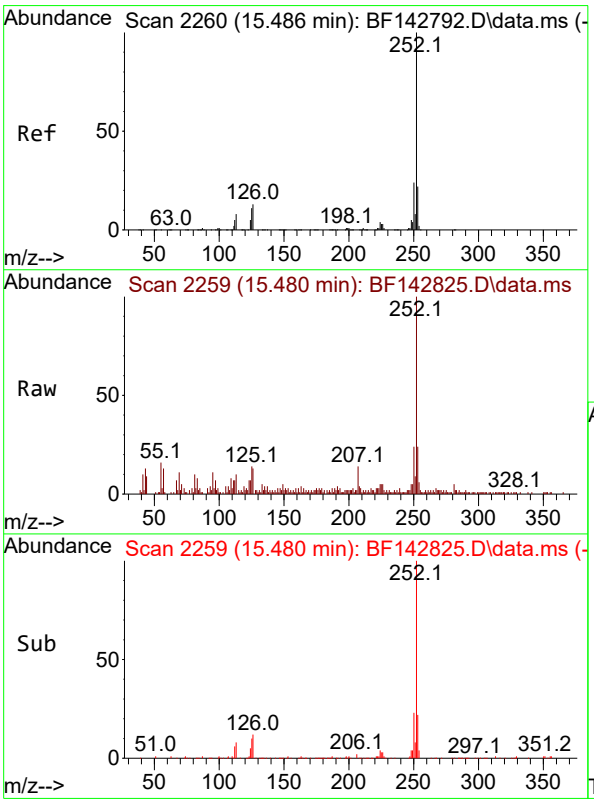
#89
Benzo(k)fluoranthene
Concen: 3.017 ng m
RT: 15.121 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:252 Resp: 17777

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.2	25.8#
125	13.9	7.4	11.2#

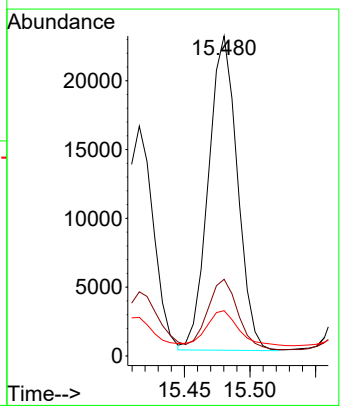


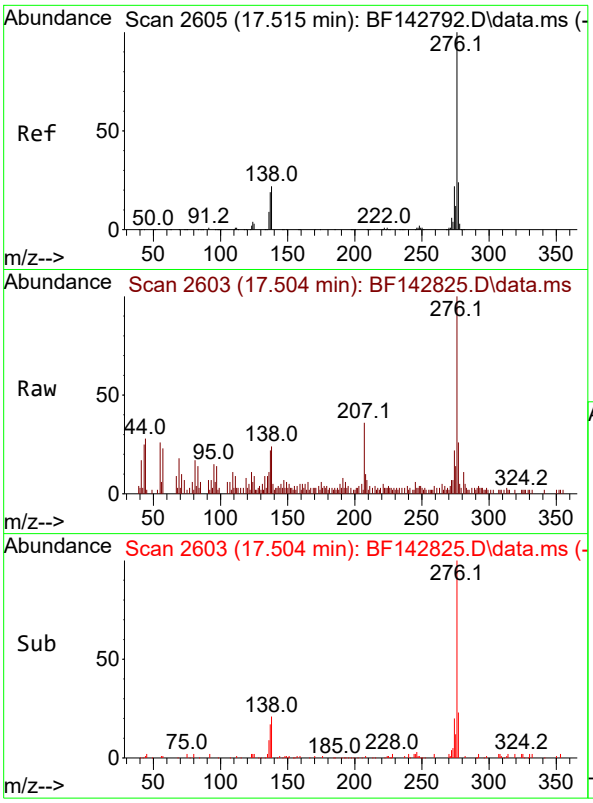


#90
Benzo(a)pyrene
Concen: 5.764 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:252 Resp: 35069

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.1	8.6	12.8#



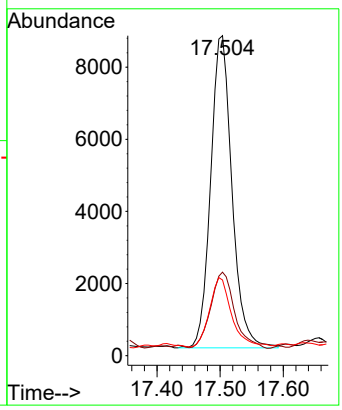


#92
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 17.504 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion:276 Resp: 20296

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	23.6	17.6	26.4



Sample Results: **BF142825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142825.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	481	492	504	rBV	79718	116634	9.37%	1.101%
2	5.493	556	561	571	rBV	709369	935097	75.10%	8.830%
3	6.504	728	733	745	rBV	729112	924942	74.28%	8.734%
4	6.881	792	797	803	rBV	280967	350446	28.14%	3.309%
5	7.440	886	892	897	rBV	432168	531098	42.65%	5.015%
6	8.163	1007	1015	1022	rBV	327376	432585	34.74%	4.085%
7	8.875	1132	1136	1141	rVB	24026	27368	2.20%	0.258%
8	8.975	1149	1153	1158	rVB	25464	30560	2.45%	0.289%
9	9.240	1192	1198	1203	rBV	719066	914087	73.41%	8.631%
10	9.504	1238	1243	1247	rBV	12592	18173	1.46%	0.172%
11	9.575	1248	1255	1258	rBV	21081	30897	2.48%	0.292%
12	9.692	1271	1275	1286	rVB	10476	18146	1.46%	0.171%
13	9.781	1286	1290	1294	rBV	13444	16504	1.33%	0.156%
14	9.916	1306	1313	1318	rVV	303877	395096	31.73%	3.731%
15	10.122	1343	1348	1352	rBV2	15540	20536	1.65%	0.194%
16	10.234	1363	1367	1370	rBV2	9536	13103	1.05%	0.124%
17	10.339	1378	1385	1389	rBV4	12048	25396	2.04%	0.240%
18	10.469	1402	1407	1413	rVB	22161	30173	2.42%	0.285%
19	10.557	1413	1422	1429	rBV7	6671	21732	1.75%	0.205%
20	10.634	1429	1435	1441	rVB	62949	86015	6.91%	0.812%
21	10.710	1442	1448	1453	rBV	468976	614395	49.34%	5.802%
22	10.828	1463	1468	1474	rBV4	15588	26844	2.16%	0.253%
23	11.010	1495	1499	1502	rBV4	11633	16596	1.33%	0.157%
24	11.216	1530	1534	1537	rVB	12752	15179	1.22%	0.143%
25	11.263	1538	1542	1545	rVV3	11800	16928	1.36%	0.160%
26	11.304	1545	1549	1555	rVB	17661	25158	2.02%	0.238%
27	11.410	1561	1567	1569	rBV	342405	475212	38.16%	4.487%
28	11.481	1575	1579	1583	rVV	29143	34445	2.77%	0.325%
29	11.639	1600	1606	1612	rBV2	25866	41328	3.32%	0.390%
30	11.739	1619	1623	1628	rVB2	15405	21790	1.75%	0.206%
31	11.822	1628	1637	1641	rBV4	7682	19005	1.53%	0.179%
32	11.933	1648	1656	1661	rVV2	120331	247098	19.84%	2.333%
33	11.986	1662	1665	1667	rVV	17930	22679	1.82%	0.214%
34	12.022	1667	1671	1679	rVB	68024	143081	11.49%	1.351%
35	12.104	1681	1685	1689	rBV4	11498	19332	1.55%	0.183%
36	12.204	1699	1702	1705	rBV	21327	28735	2.31%	0.271%

Sample Results: **BF142825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.233	1705	1707	1713	rVB	18882	21788	1.75%	0.206%
38	12.351	1722	1727	1730	rBV4	14471	25273	2.03%	0.239%
39	12.386	1730	1733	1736	rBV	13828	17385	1.40%	0.164%
40	12.463	1741	1746	1749	rBV	43046	66813	5.37%	0.631%
41	12.492	1749	1751	1757	rVV2	29600	46296	3.72%	0.437%
42	12.545	1757	1760	1765	rVB3	22493	32135	2.58%	0.303%
43	12.622	1769	1773	1778	rBV	236301	300969	24.17%	2.842%
44	12.851	1806	1812	1819	rBV	227593	350013	28.11%	3.305%
45	12.992	1831	1836	1844	rVB	945821	1245182	100.00%	11.758%
46	13.069	1845	1849	1856	rBV5	31227	63554	5.10%	0.600%
47	13.175	1861	1867	1871	rVV2	38254	76077	6.11%	0.718%
48	13.286	1882	1886	1893	rVB2	37584	50933	4.09%	0.481%
49	13.380	1898	1902	1904	rBV	23707	29708	2.39%	0.281%
50	13.410	1904	1907	1910	rVV2	21072	22426	1.80%	0.212%
51	13.563	1930	1933	1936	rBV	21890	34135	2.74%	0.322%
52	13.692	1952	1955	1961	rVB	26928	33940	2.73%	0.320%
53	13.892	1985	1989	2000	rVB3	89936	161898	13.00%	1.529%
54	14.051	2011	2016	2028	rVB2	413688	734762	59.01%	6.938%
55	15.104	2191	2195	2203	rBV	73175	162350	13.04%	1.533%
56	15.480	2256	2259	2265	rVB	51676	74960	6.02%	0.708%
57	15.545	2265	2270	2282	rVB	187952	333221	26.76%	3.147%

Sum of corrected areas: 10590211

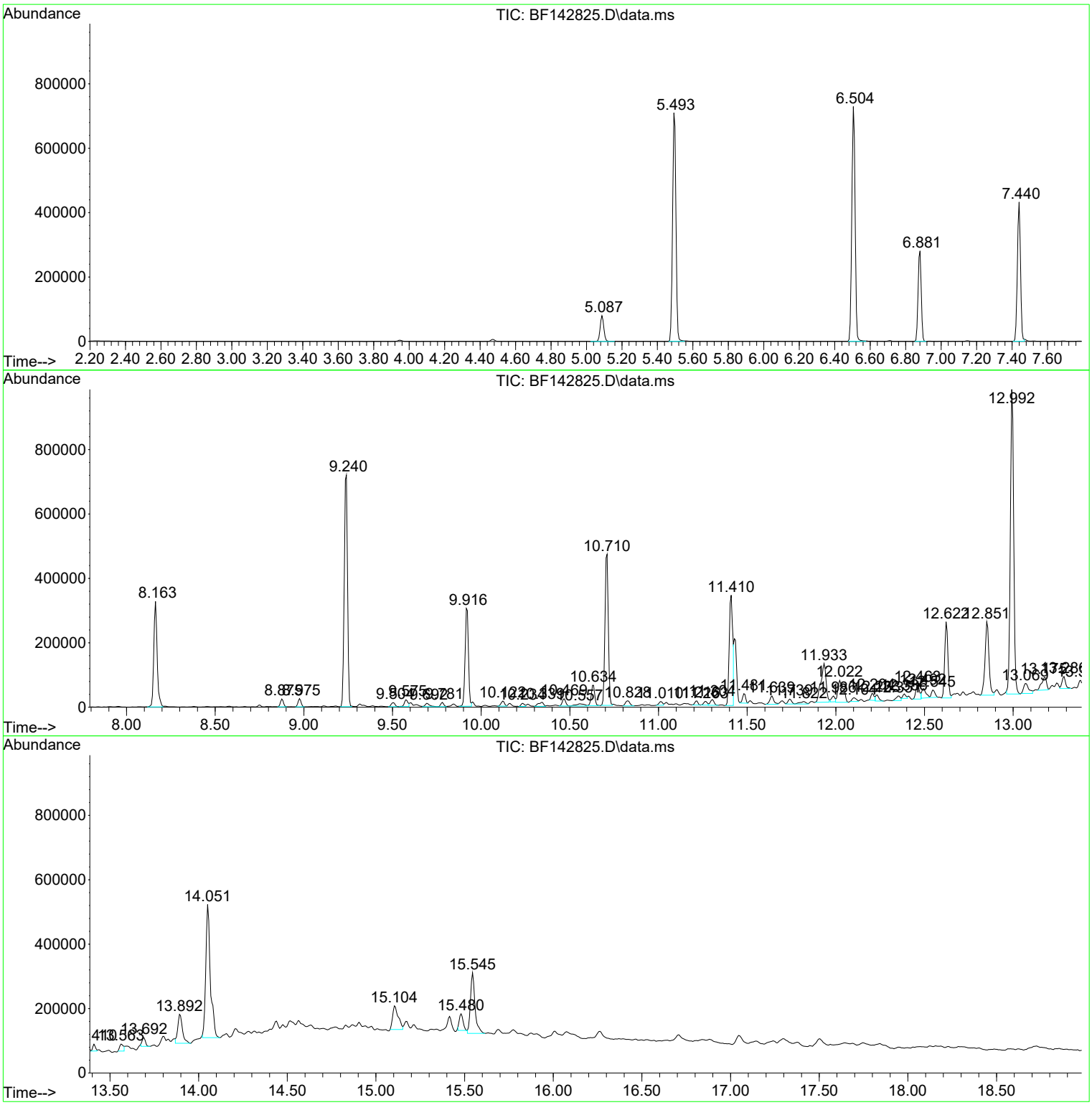
Sample Results: **BF142825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

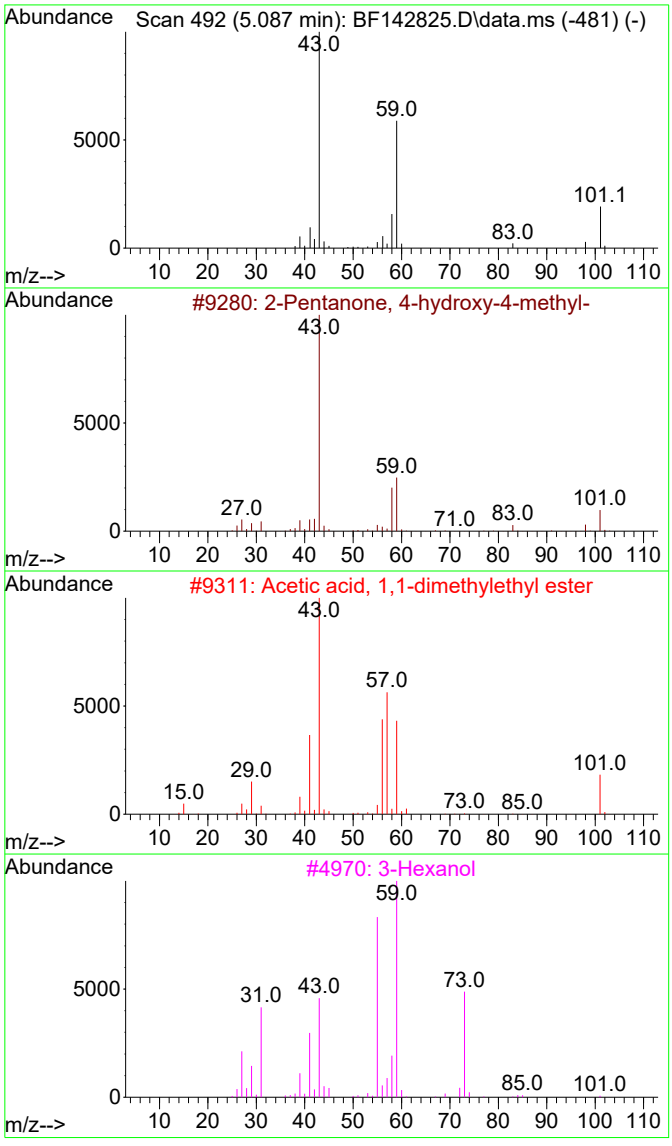
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

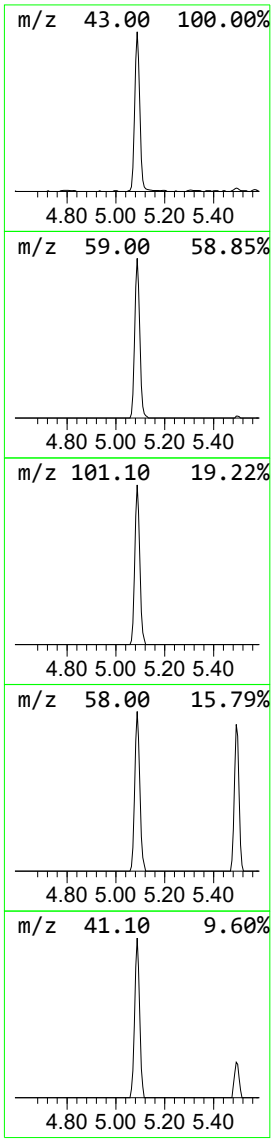
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.66 ng	116634	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

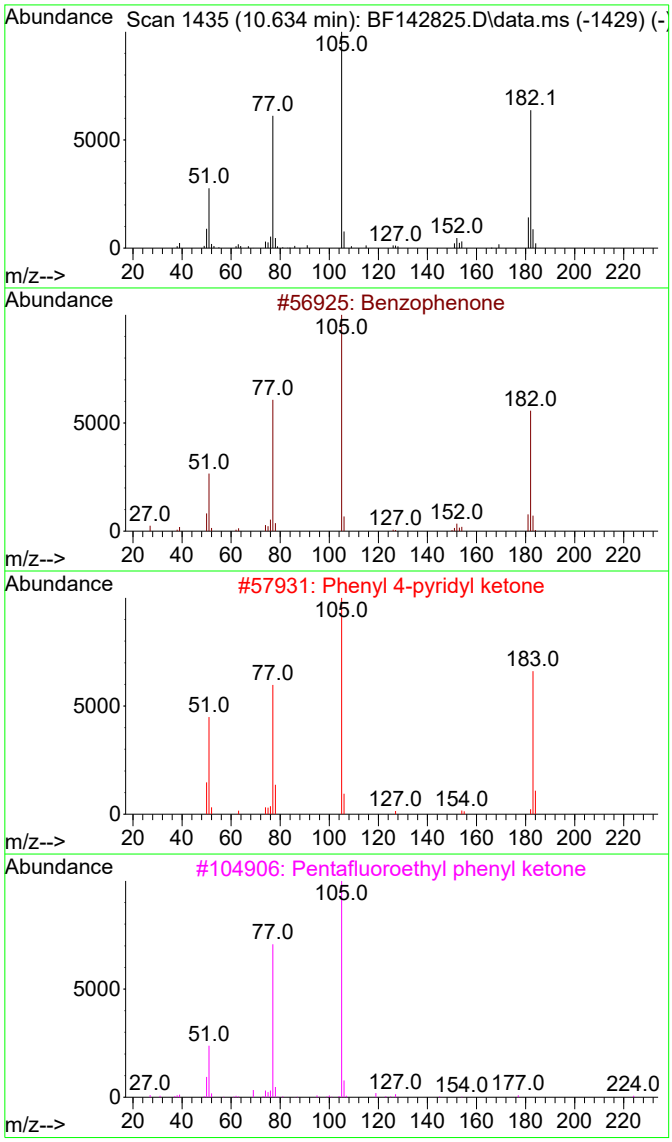
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

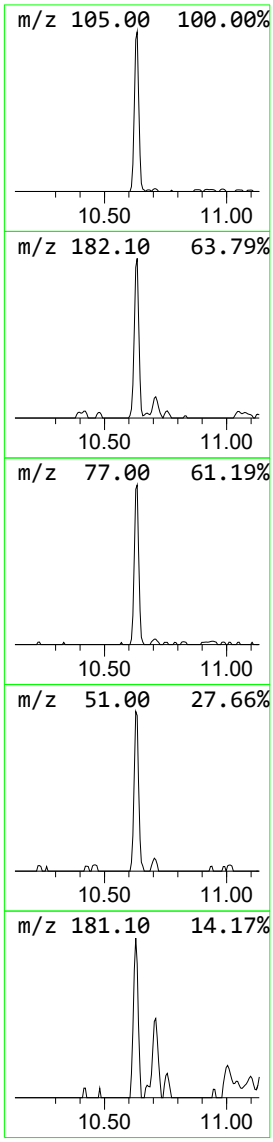
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.35 ng	86015	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

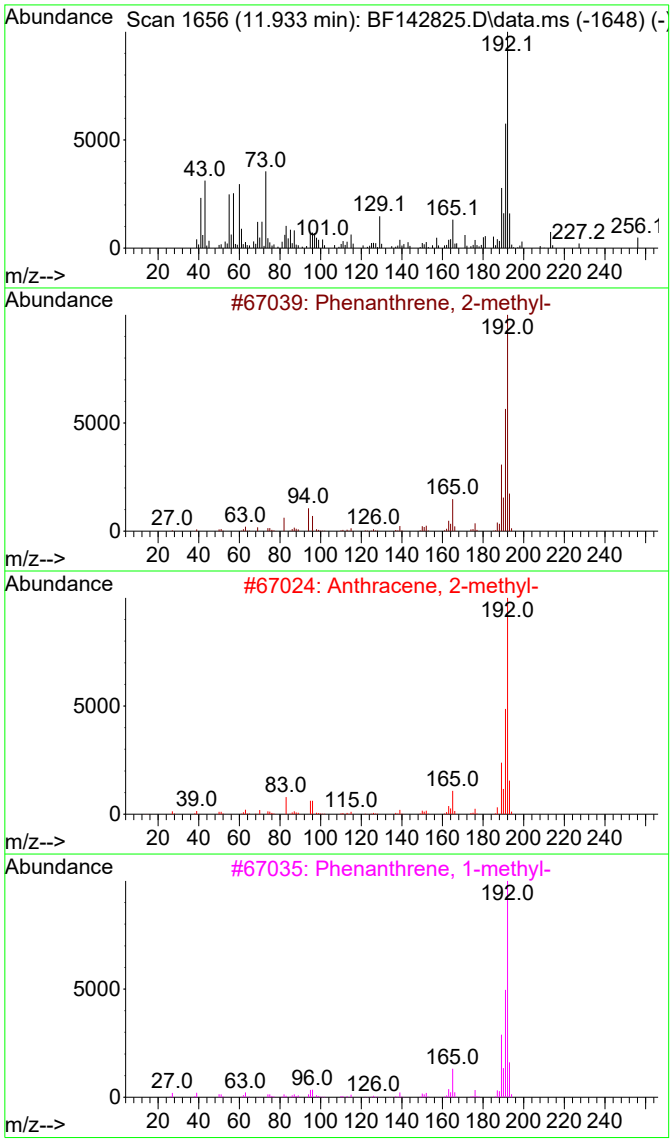
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

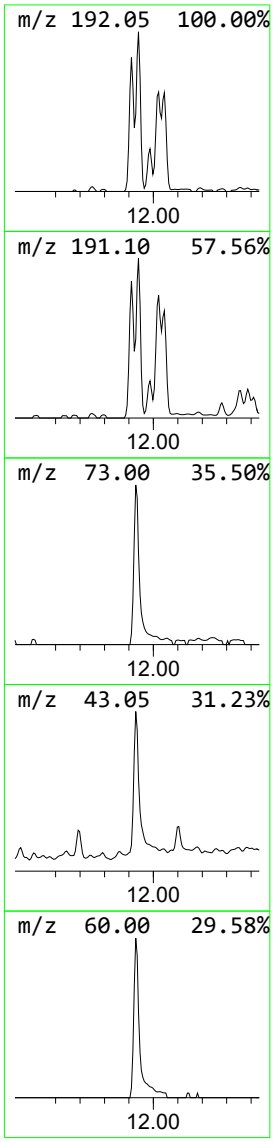
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.934	10.40 ng	247098	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

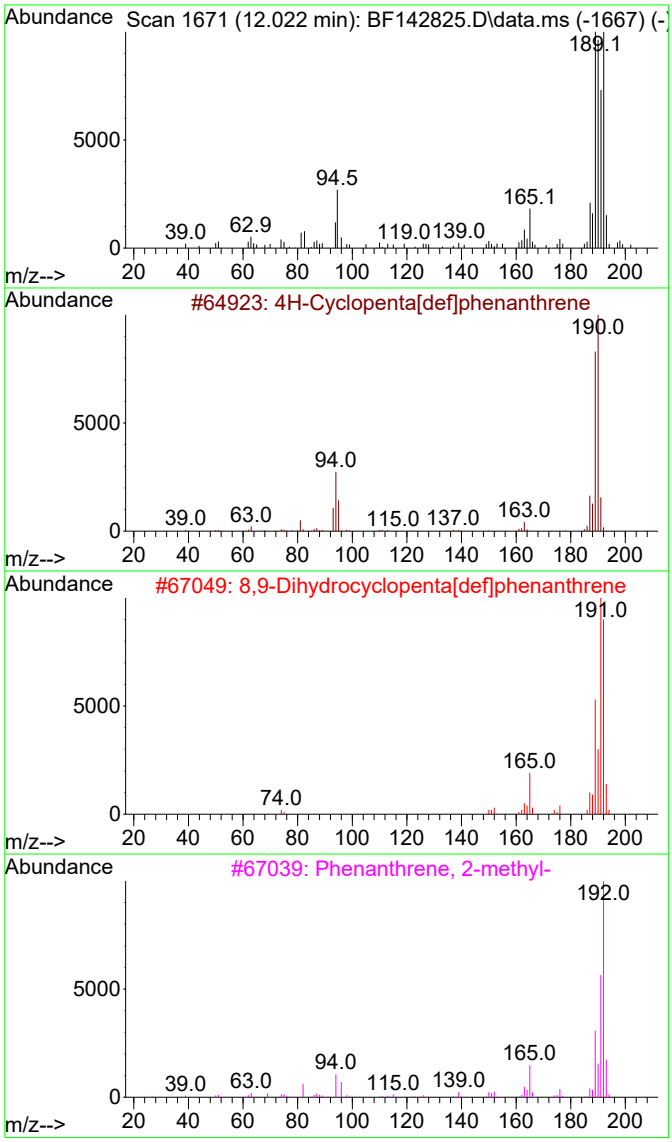
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

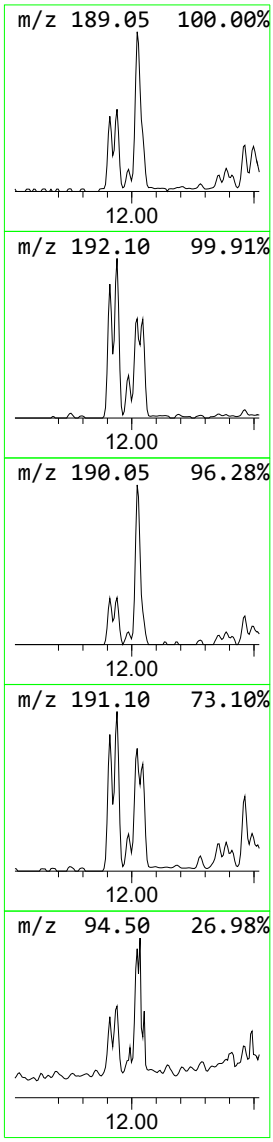
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	6.02 ng	143081	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	48
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

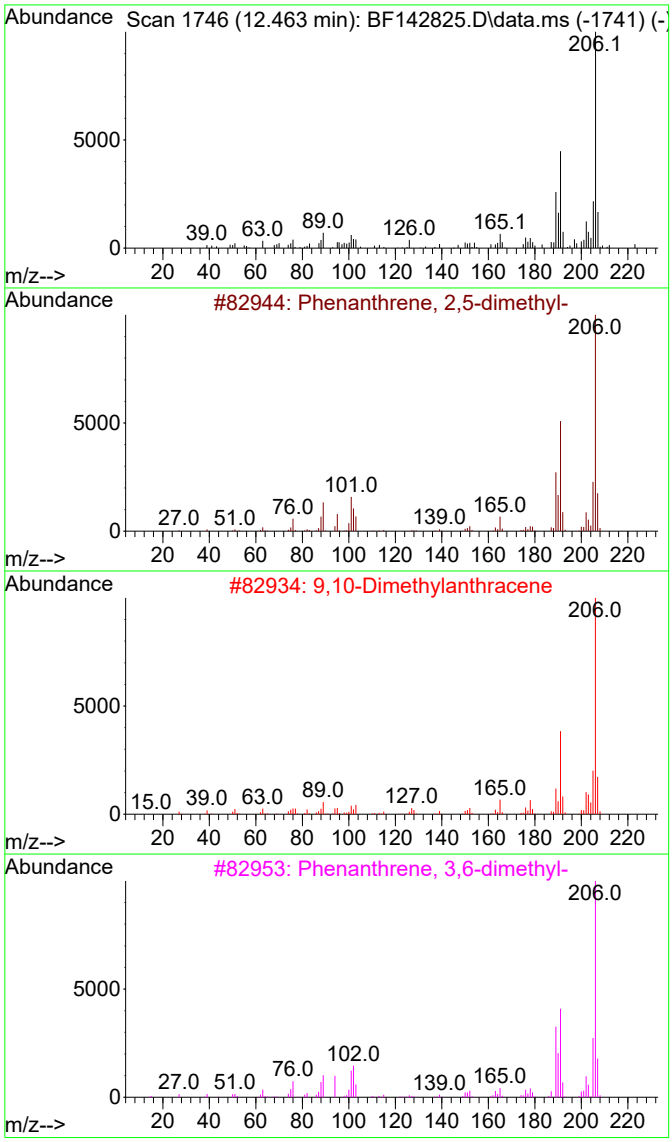
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

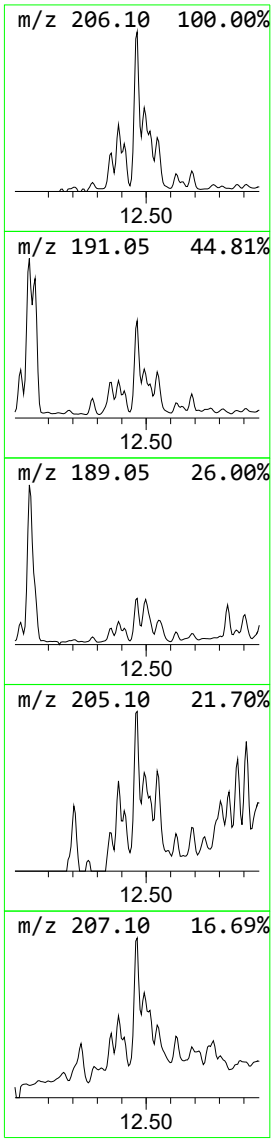
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.81 ng	66813	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

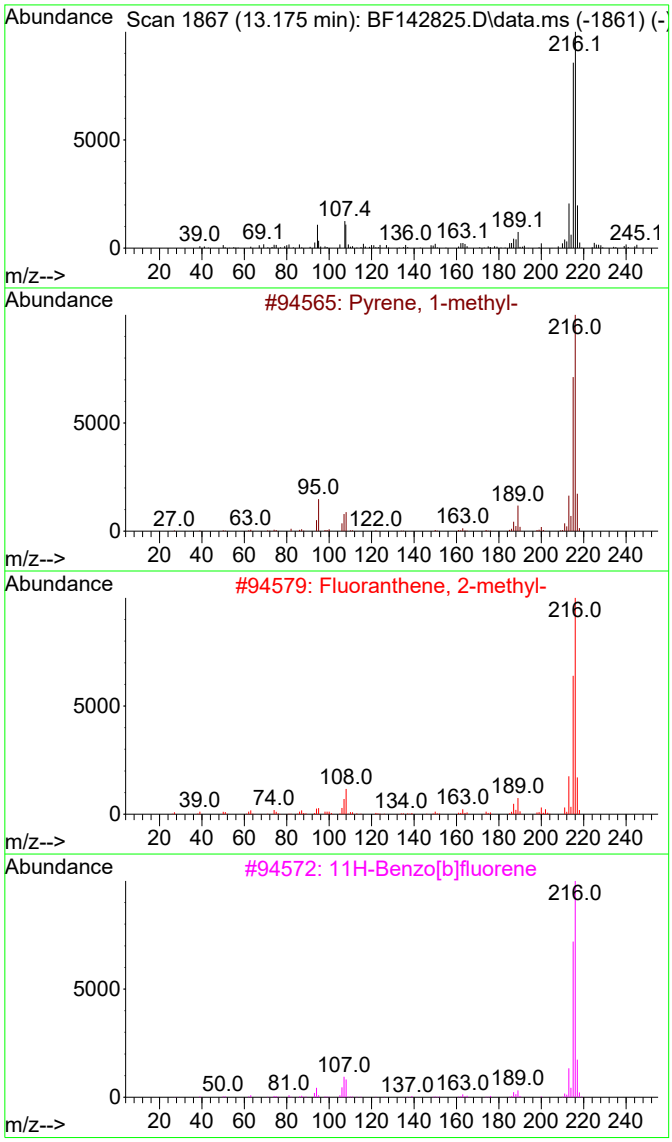
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

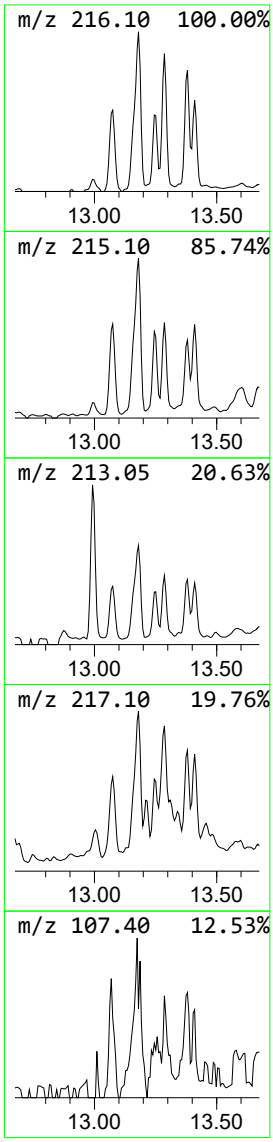
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	2.07 ng	76077	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

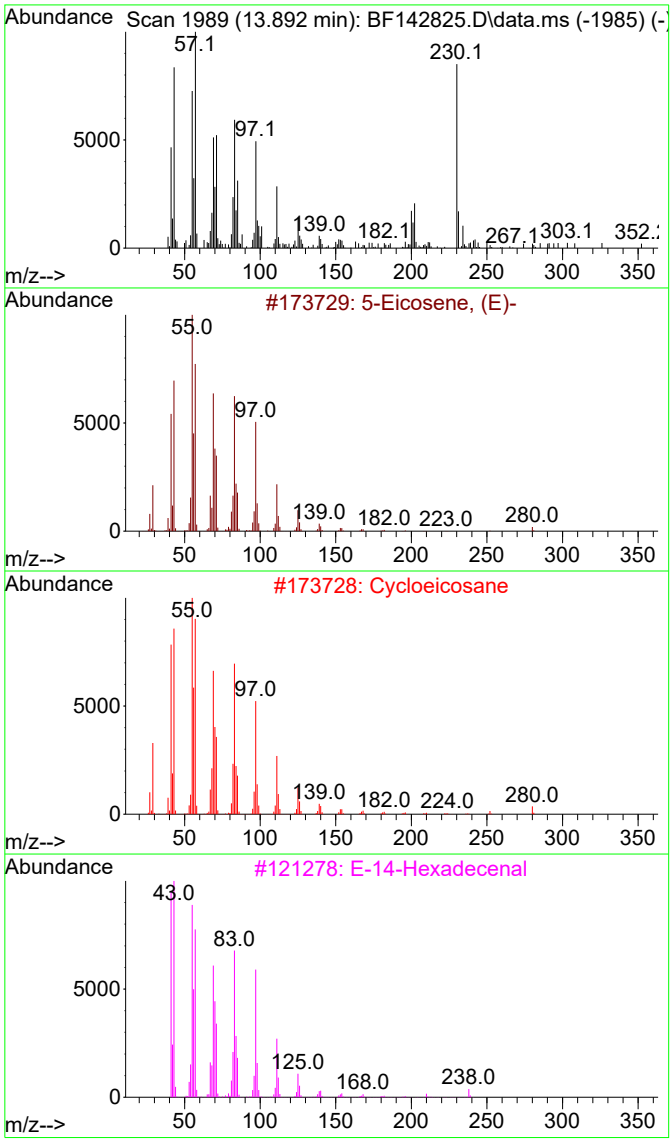
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

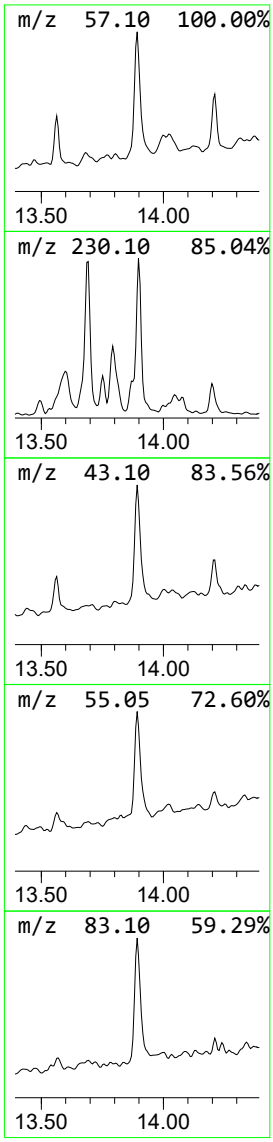
****

Peak Number 7 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.41 ng	161898	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	94
2	Cycloeicosane	280	C20H40	000296-56-0	92
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	86
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	80
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.7	ng	116634	1	6.881	350446	20.0
Benzophenone	10.634	4.3	ng	86015	3	9.916	395096	20.0
Phenanthrene, 2...	11.934	10.4	ng	247098	4	11.410	475212	20.0
4H-Cyclopenta[d...	12.022	6.0	ng	143081	4	11.410	475212	20.0
Phenanthrene, 2...	12.463	2.8	ng	66813	4	11.410	475212	20.0
Pyrene, 1-methyl-	13.175	2.1	ng	76077	5	14.051	734762	20.0
5-Eicosene, (E)-	13.892	4.4	ng	161898	5	14.051	734762	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

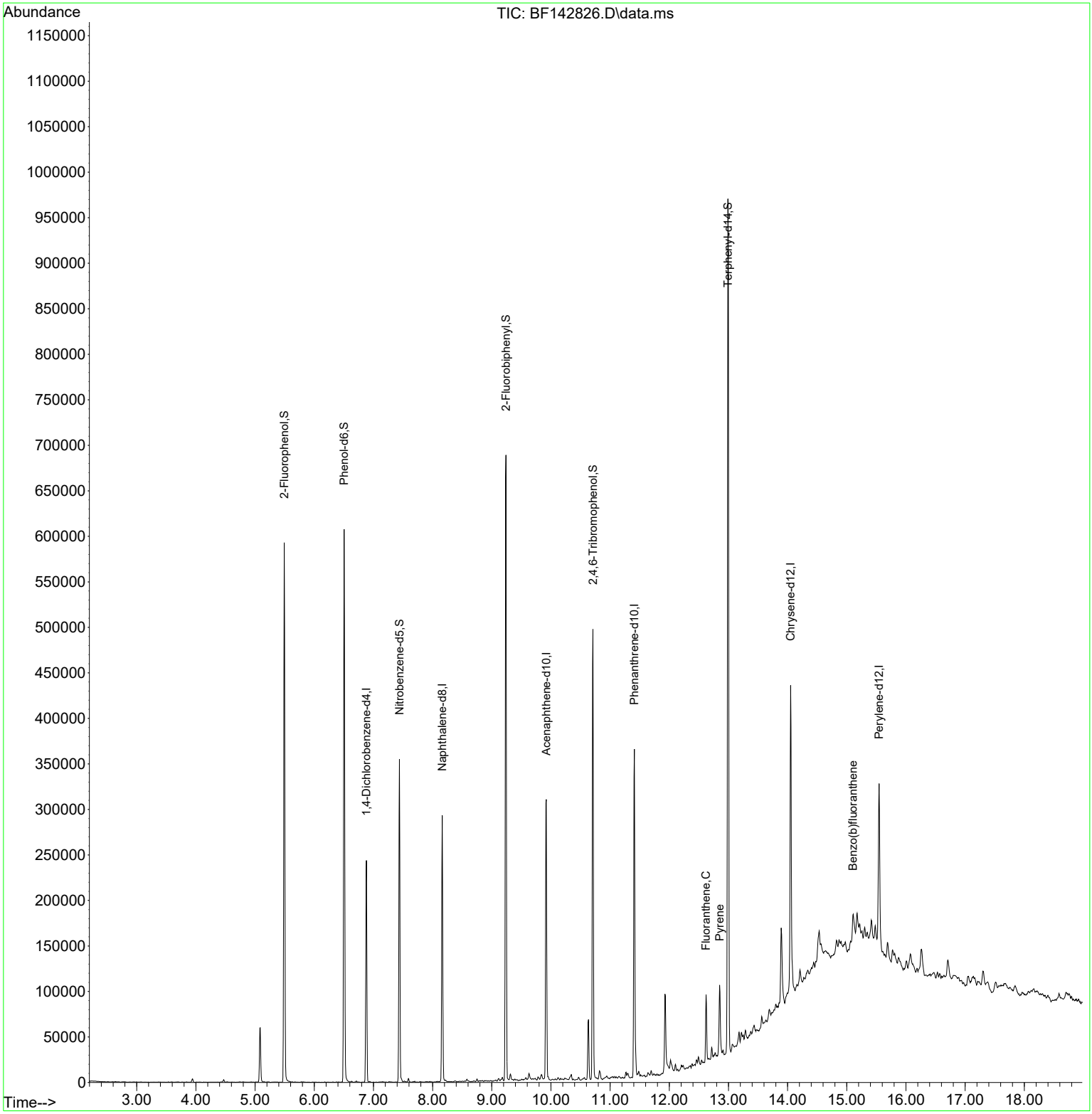
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53337	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	183629	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	94380	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	188653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152475	20.000	ng	0.00
86) Perylene-d12	15.545	264	103394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	222339	69.404	ng	0.00
7) Phenol-d6	6.504	99	268320	70.992	ng	0.00
23) Nitrobenzene-d5	7.440	82	144112	43.047	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83300	85.767	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	309785	43.119	ng	0.00
79) Terphenyl-d14	12.992	244	457697	41.476	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	42113	4.342	ng	100
78) Pyrene	12.851	202	43782	3.063	ng	99
88) Benzo(b)fluoranthene	15.104	252	15117m	2.527	ng	

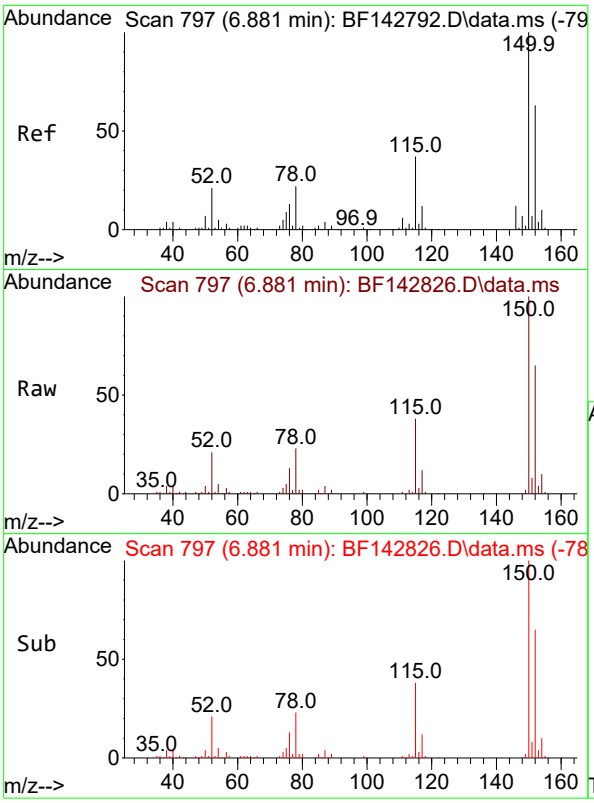
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:29:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



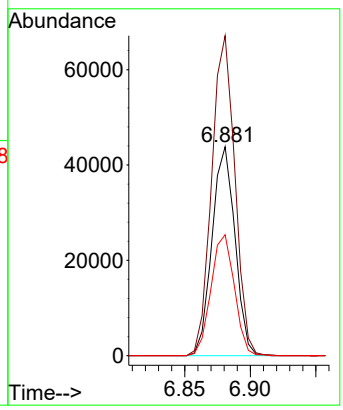


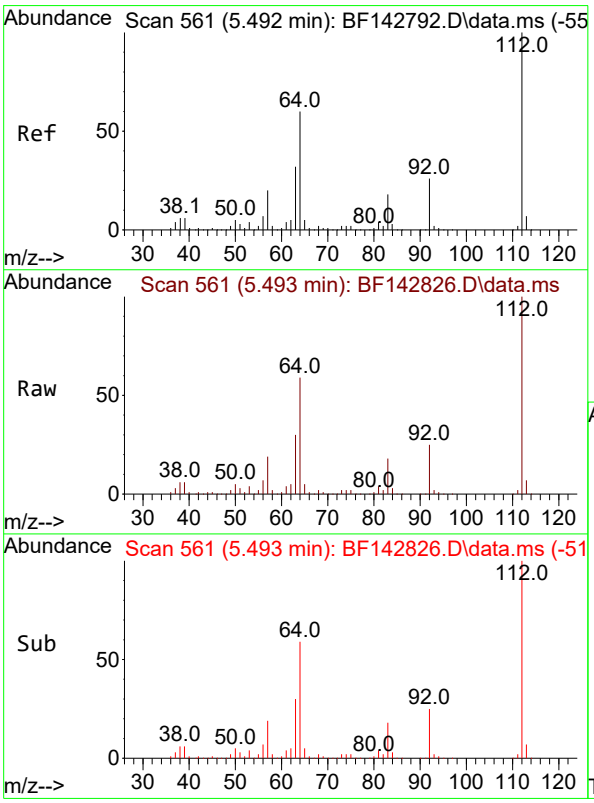
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:152 Resp: 53337

Ion	Ratio	Lower	Upper
152	100		
150	153.2	127.2	190.8
115	57.9	46.6	69.8

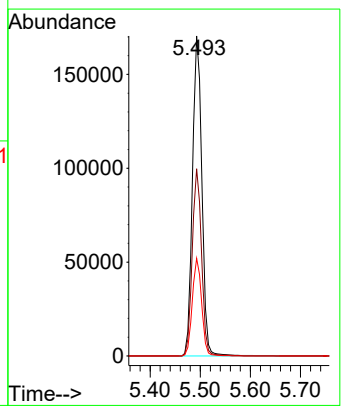


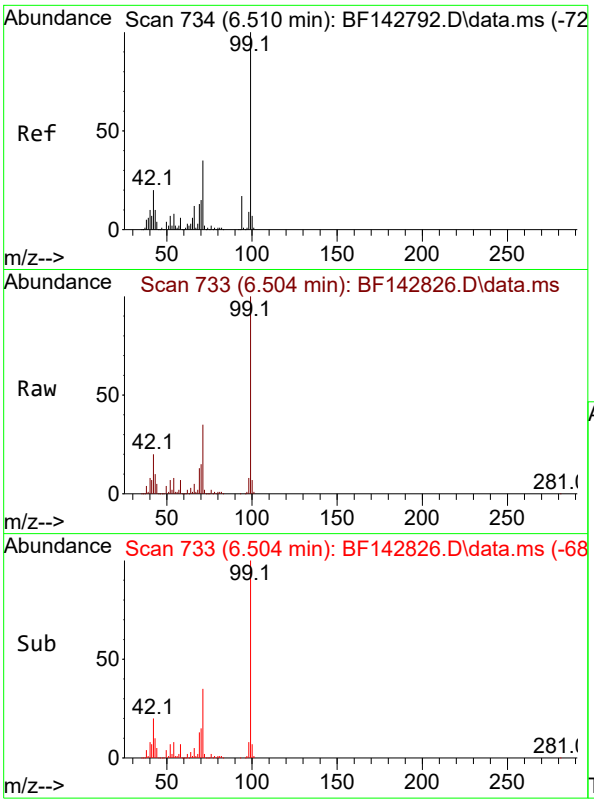


#5
2-Fluorophenol
Concen: 69.404 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:112 Resp: 222339

Ion	Ratio	Lower	Upper
112	100		
64	58.5	48.2	72.2
63	30.5	25.7	38.5



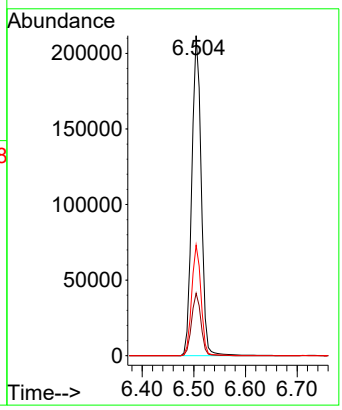


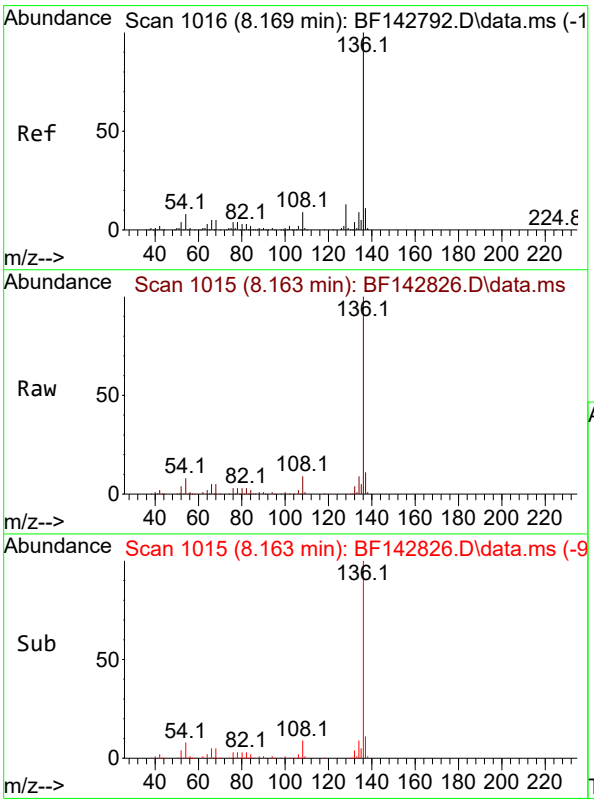
#7
Phenol-d6
Concen: 70.992 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion: 99 Resp: 268320

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.5	27.8	41.8

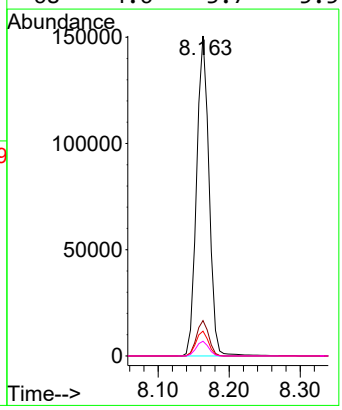


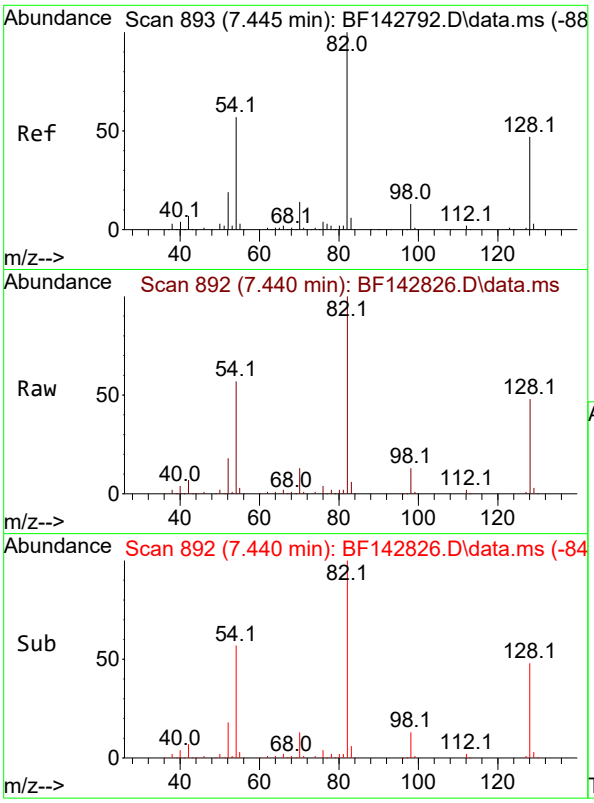


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:136 Resp: 183629

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.7	6.3	9.5
68	4.6	3.7	5.5



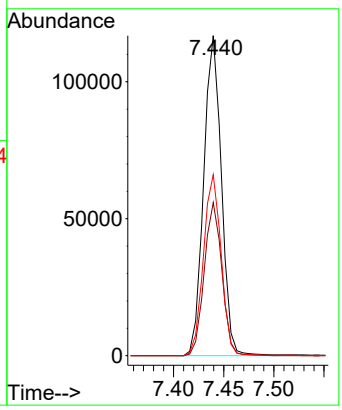


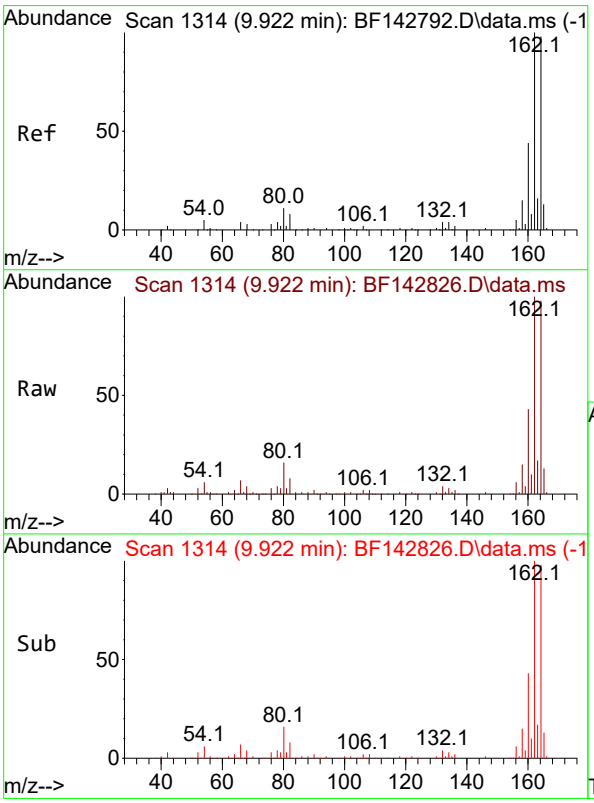
#23
Nitrobenzene-d5
Concen: 43.047 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion: 82 Resp: 144112

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	56.6	45.7	68.5

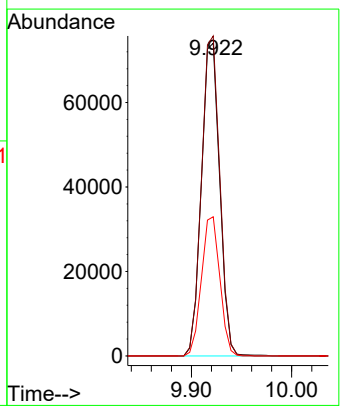


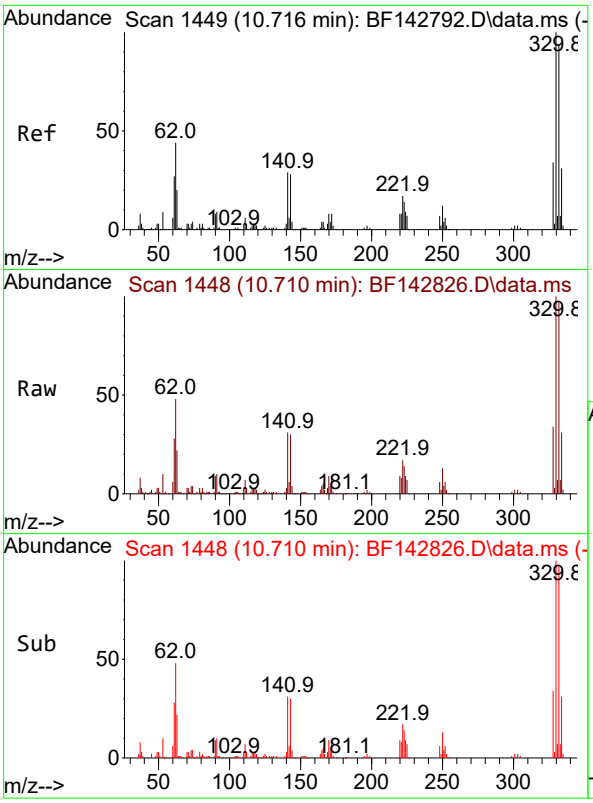


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:164 Resp: 94380

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	44.5	36.0	54.0



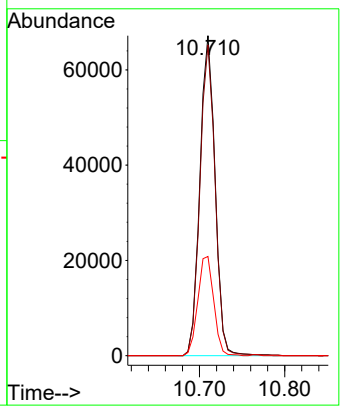


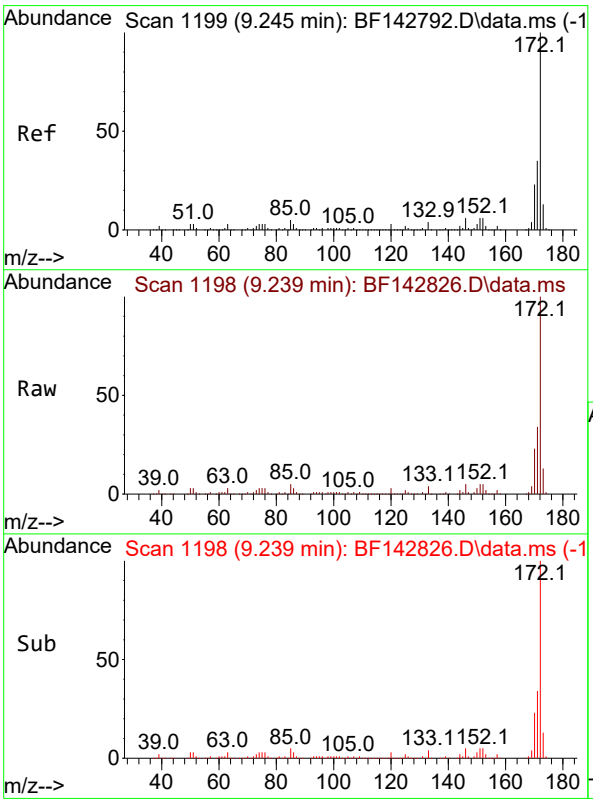
#42
2,4,6-Tribromophenol
Concen: 85.767 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:330 Resp: 83300

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.0	112.6
141	32.4	25.3	37.9

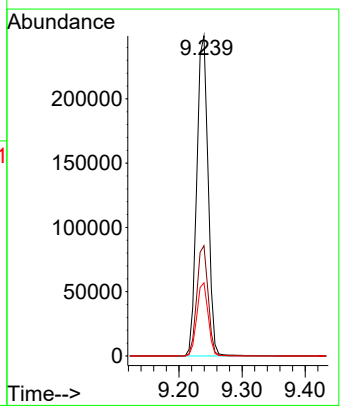


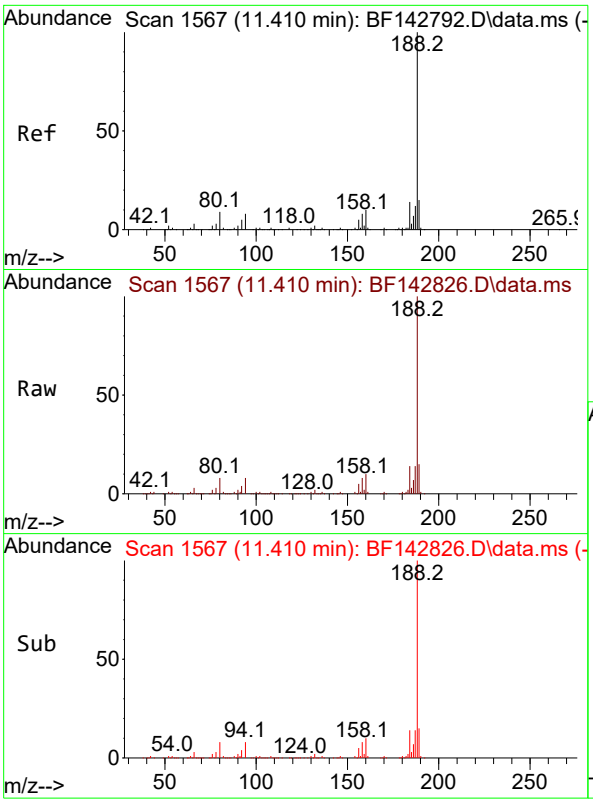


#45
2-Fluorobiphenyl
Concen: 43.119 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:172 Resp: 309785

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.4
170	22.9	18.5	27.7



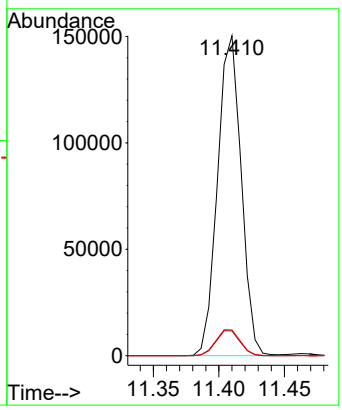


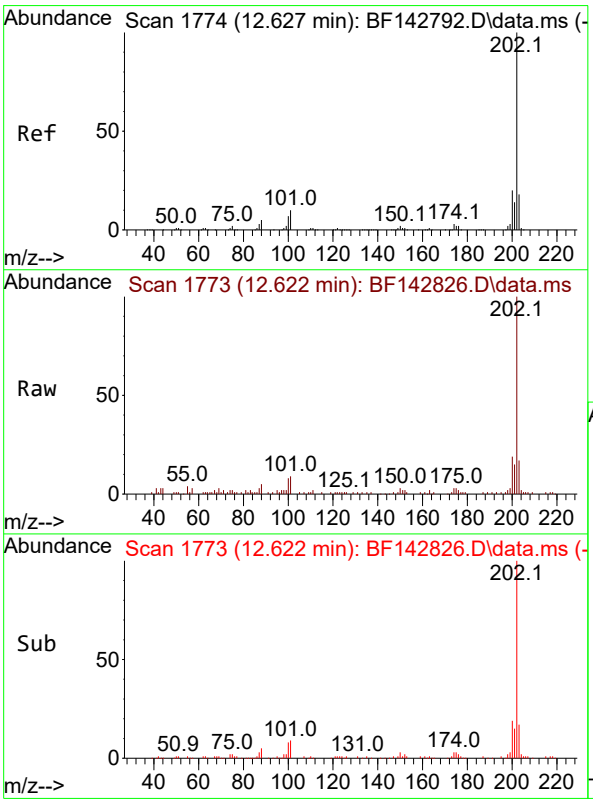
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:188 Resp: 188653

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

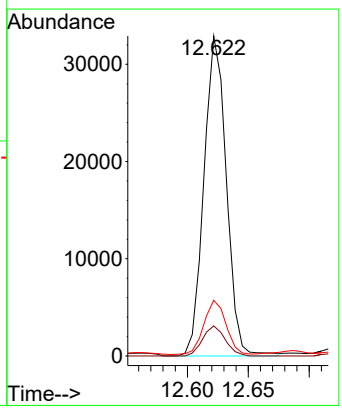


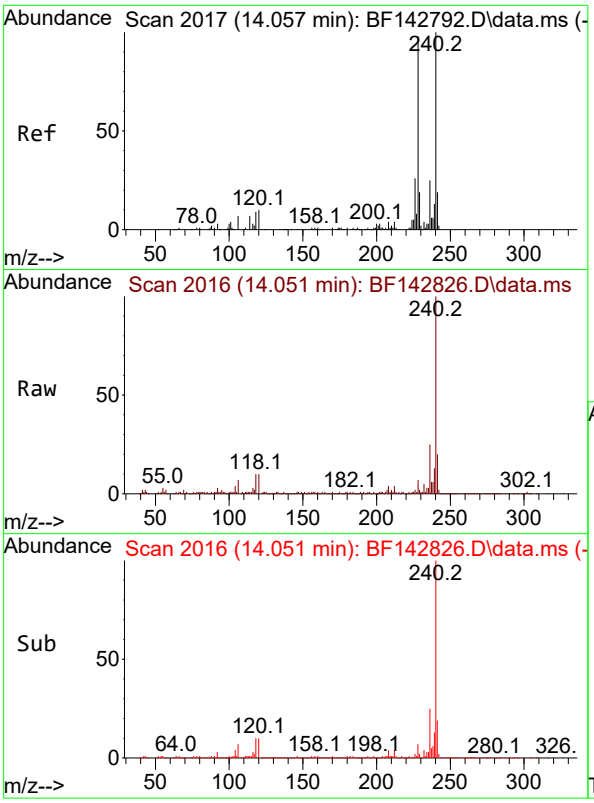


#75
Fluoranthene
Concen: 4.342 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 42113

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	17.4	0.0	37.5



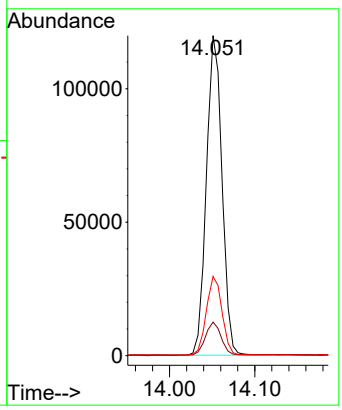


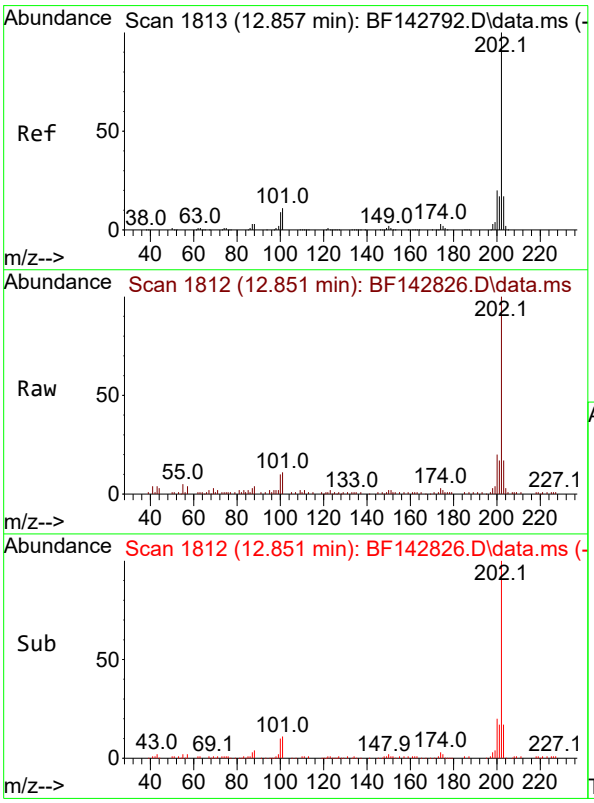
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:240 Resp: 152475

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	24.7	19.8	29.8

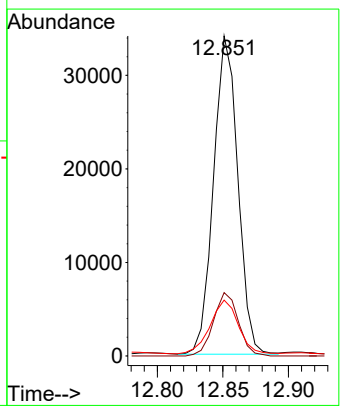


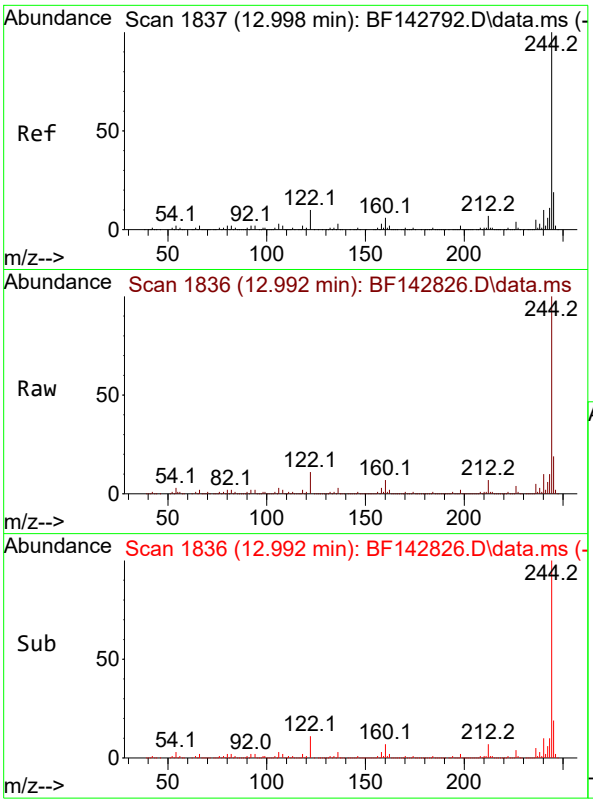


#78
Pyrene
Concen: 3.063 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 43782

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.5	13.8	20.6



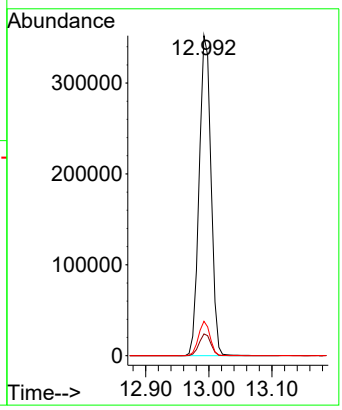


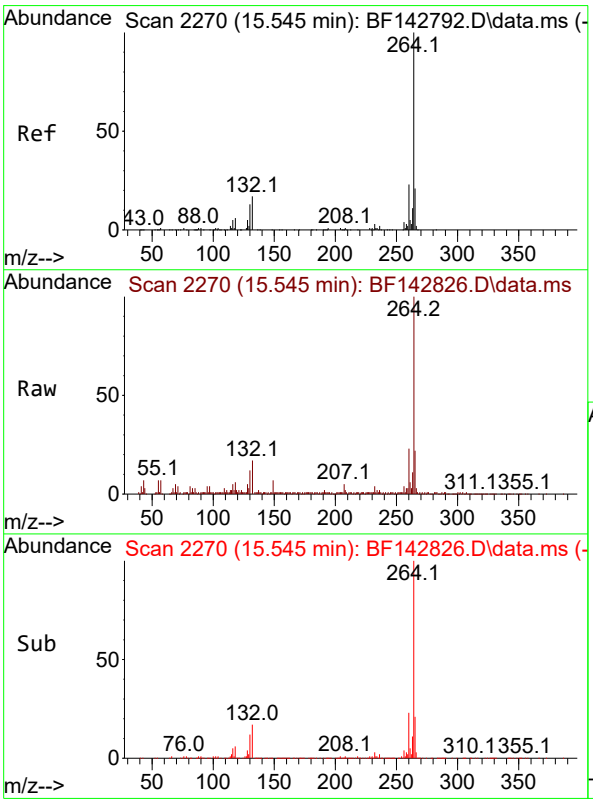
#79
Terphenyl-d14
Concen: 41.476 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:244 Resp: 457697

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.7	8.2	12.2

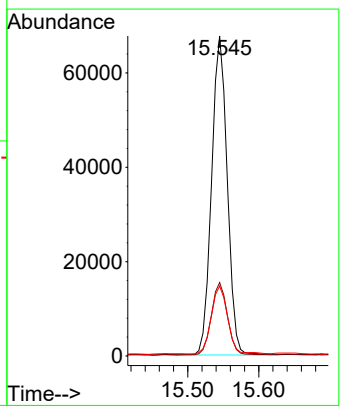


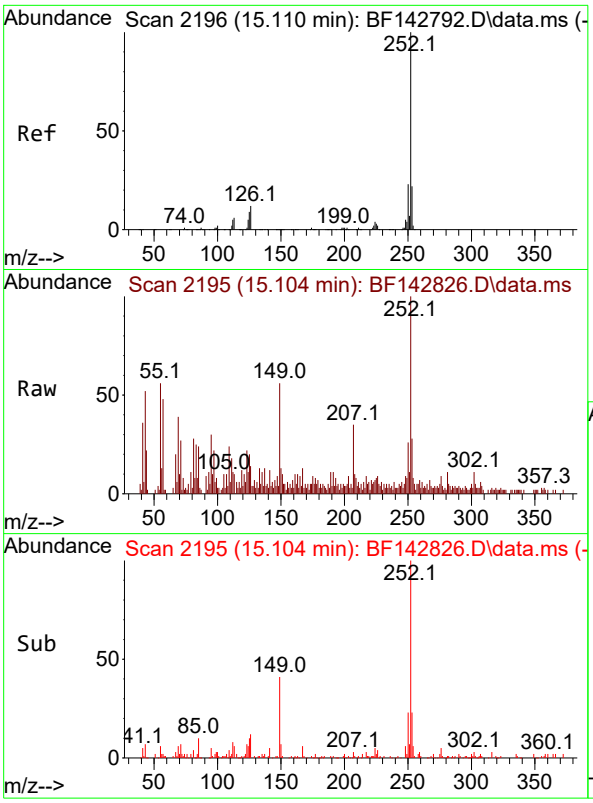


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:264 Resp: 103394

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.8	16.6	25.0



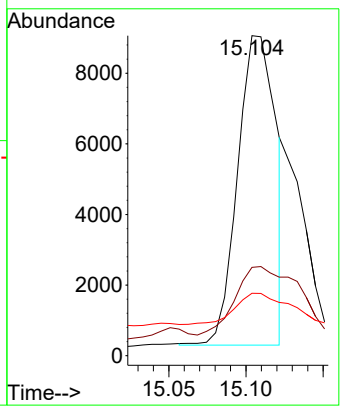


#88
Benzo(b)fluoranthene
Concen: 2.527 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:252 Resp: 15117

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	19.5	7.4	11.0#



Sample Results: **BF142826.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142826.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	500	rBV	59597	86968	7.11%	1.119%
2	5.493	556	561	573	rBV	592468	759279	62.12%	9.773%
3	6.504	728	733	751	rBV	607172	772174	63.17%	9.939%
4	6.881	792	797	802	rBV	243544	299468	24.50%	3.855%
5	7.440	887	892	897	rBV	354156	433257	35.44%	5.577%
6	8.163	1010	1015	1020	rBV	291537	351321	28.74%	4.522%
7	9.239	1192	1198	1203	rBV	687223	860560	70.40%	11.077%
8	9.922	1308	1314	1318	rBV	306443	391208	32.00%	5.035%
9	10.634	1430	1435	1442	rBV	65847	84119	6.88%	1.083%
10	10.710	1442	1448	1458	rBV	494443	631617	51.67%	8.130%
11	10.822	1463	1467	1475	rVB5	9634	17272	1.41%	0.222%
12	11.410	1561	1567	1574	rBV	360983	487493	39.88%	6.275%
13	11.928	1649	1655	1667	rBV3	87341	159271	13.03%	2.050%
14	12.022	1668	1671	1680	rVB	12156	25767	2.11%	0.332%
15	12.622	1769	1773	1779	rBV	74740	100263	8.20%	1.291%
16	12.716	1786	1789	1793	rBV3	12681	17225	1.41%	0.222%
17	12.851	1807	1812	1819	rBV	76477	118151	9.67%	1.521%
18	12.992	1831	1836	1844	rVB	937153	1222348	100.00%	15.733%
19	13.892	1985	1989	1999	rVB2	82775	145612	11.91%	1.874%
20	14.051	2011	2016	2029	rVB	335585	490632	40.14%	6.315%
21	15.545	2265	2270	2279	rVB	184906	315159	25.78%	4.057%

Sum of corrected areas: 7769164

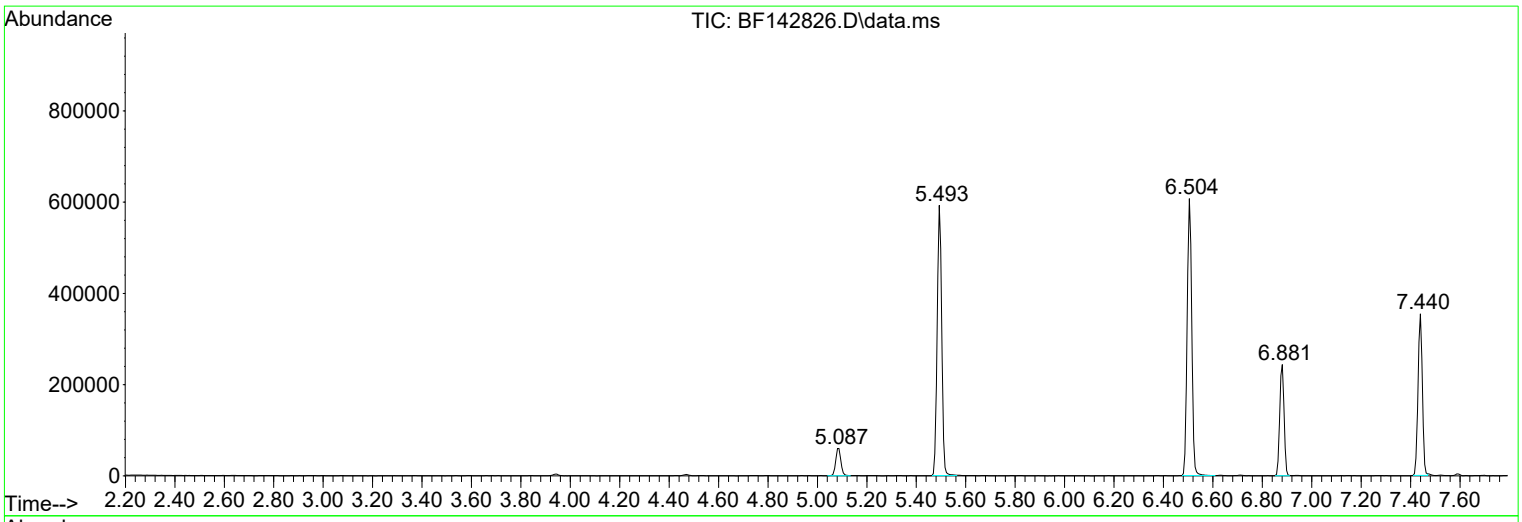
Sample Results: **BF142826.D**

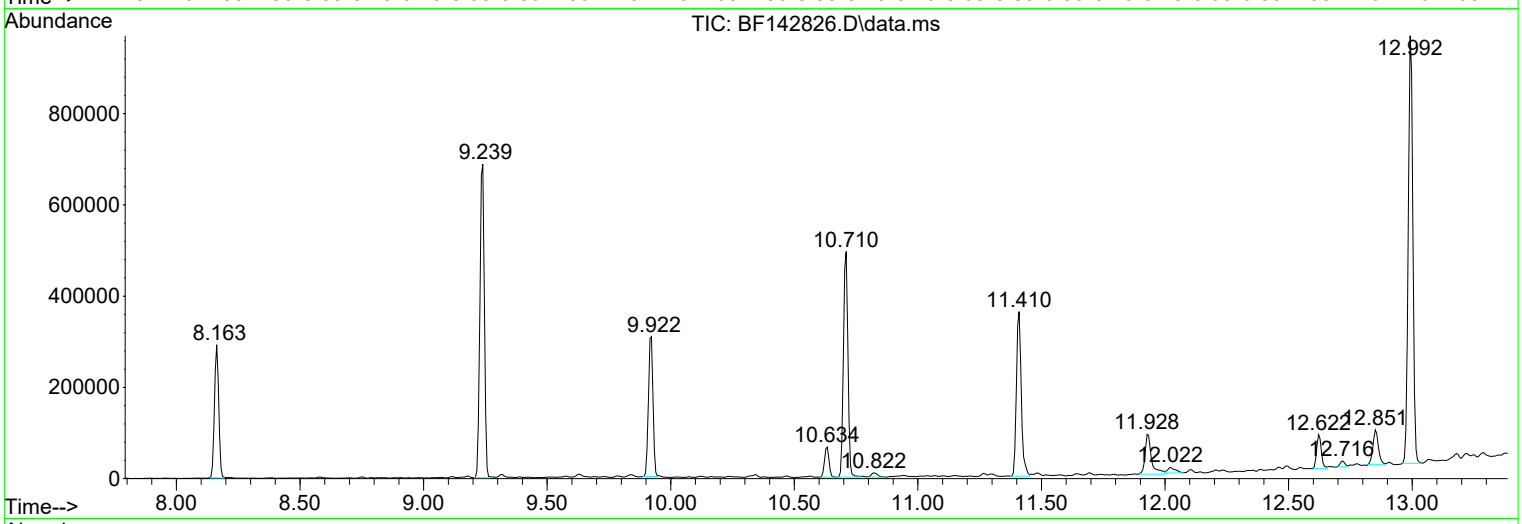
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

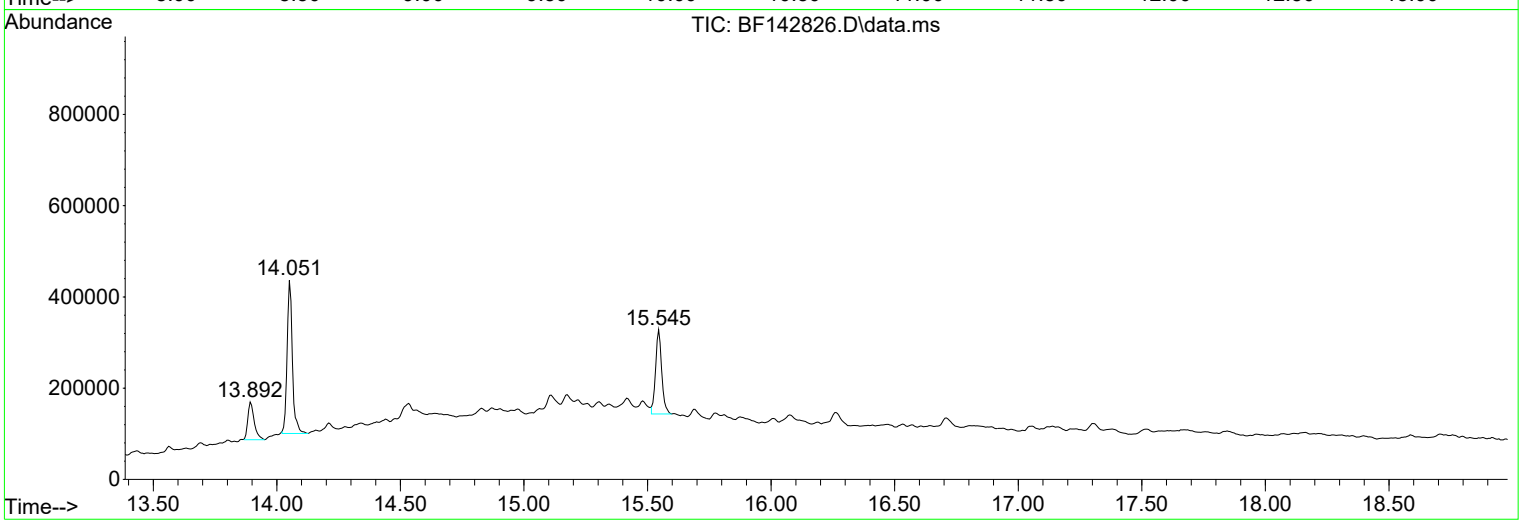
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

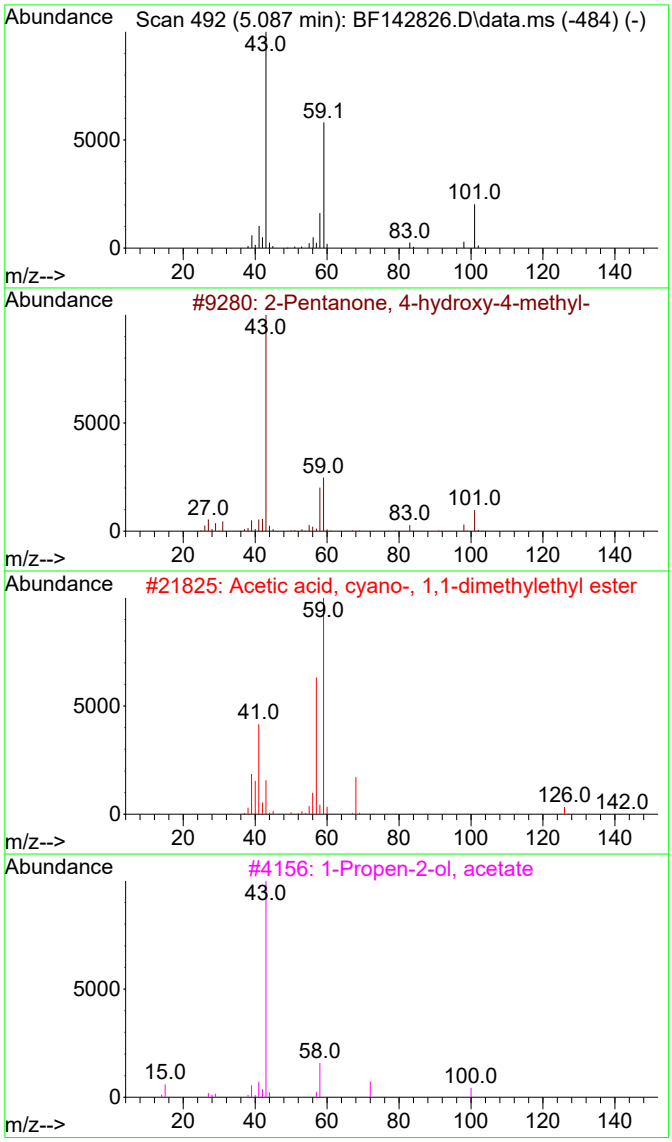
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

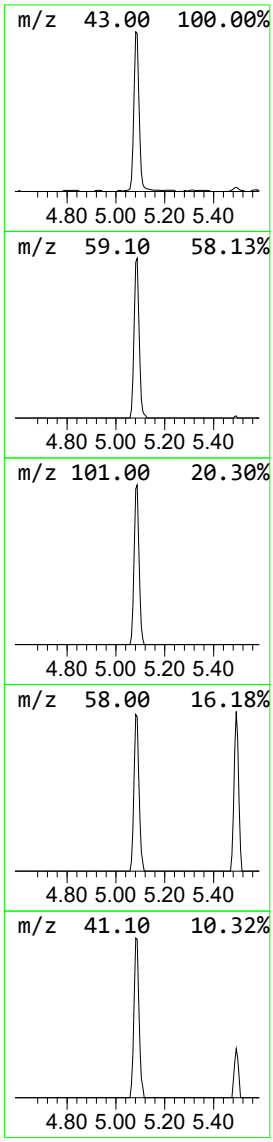
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.81 ng	86968	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

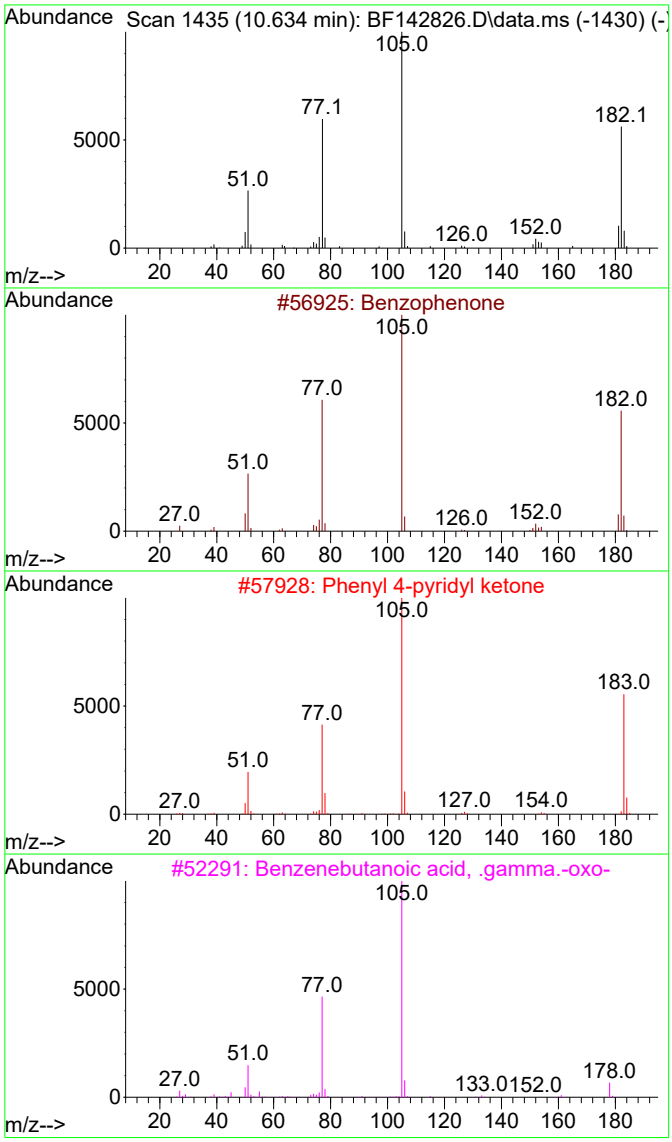
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

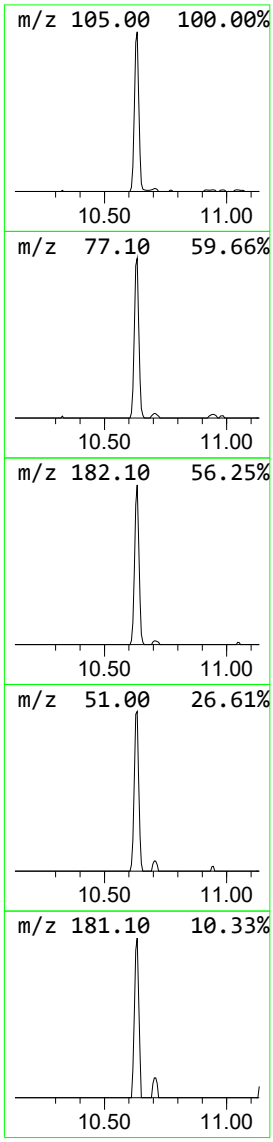
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.30 ng	84119	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

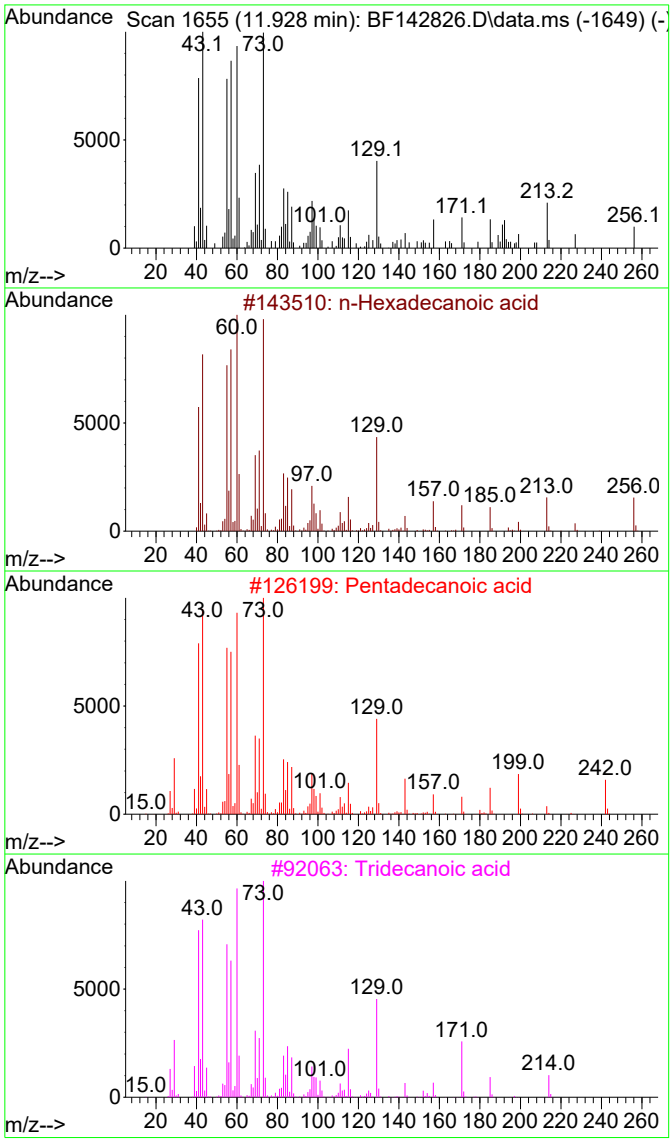
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

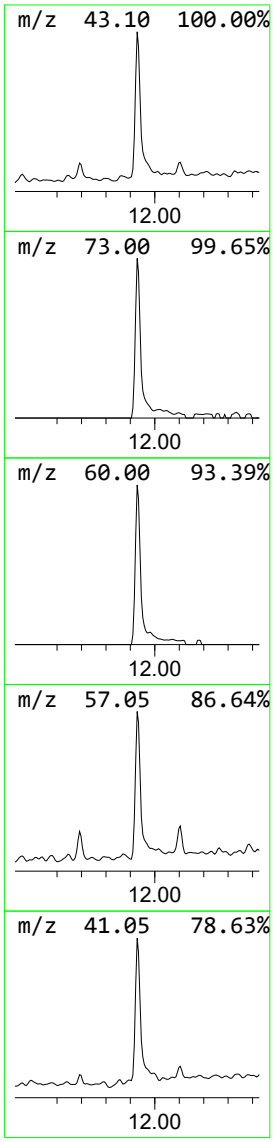
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	6.53 ng	159271	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	n-Decanoic acid	172	C10H20O2	000334-48-5	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

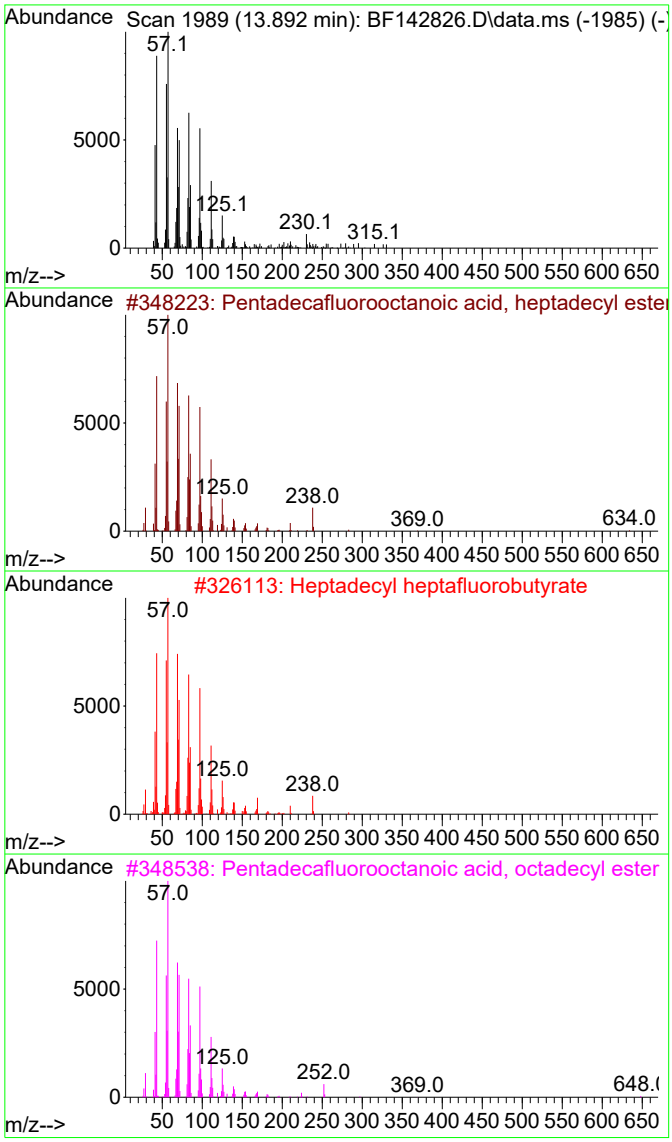
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

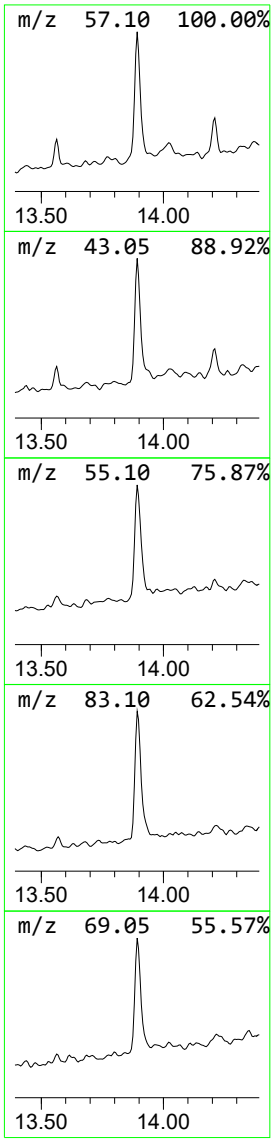
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.94 ng	145612	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.8	ng	86968	1	6.881	299468	20.0
Benzophenone	10.634	4.3	ng	84119	3	9.922	391208	20.0
n-Hexadecanoic ...	11.928	6.5	ng	159271	4	11.410	487493	20.0
Pentadecafluoro...	13.892	5.9	ng	145612	5	14.051	490632	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

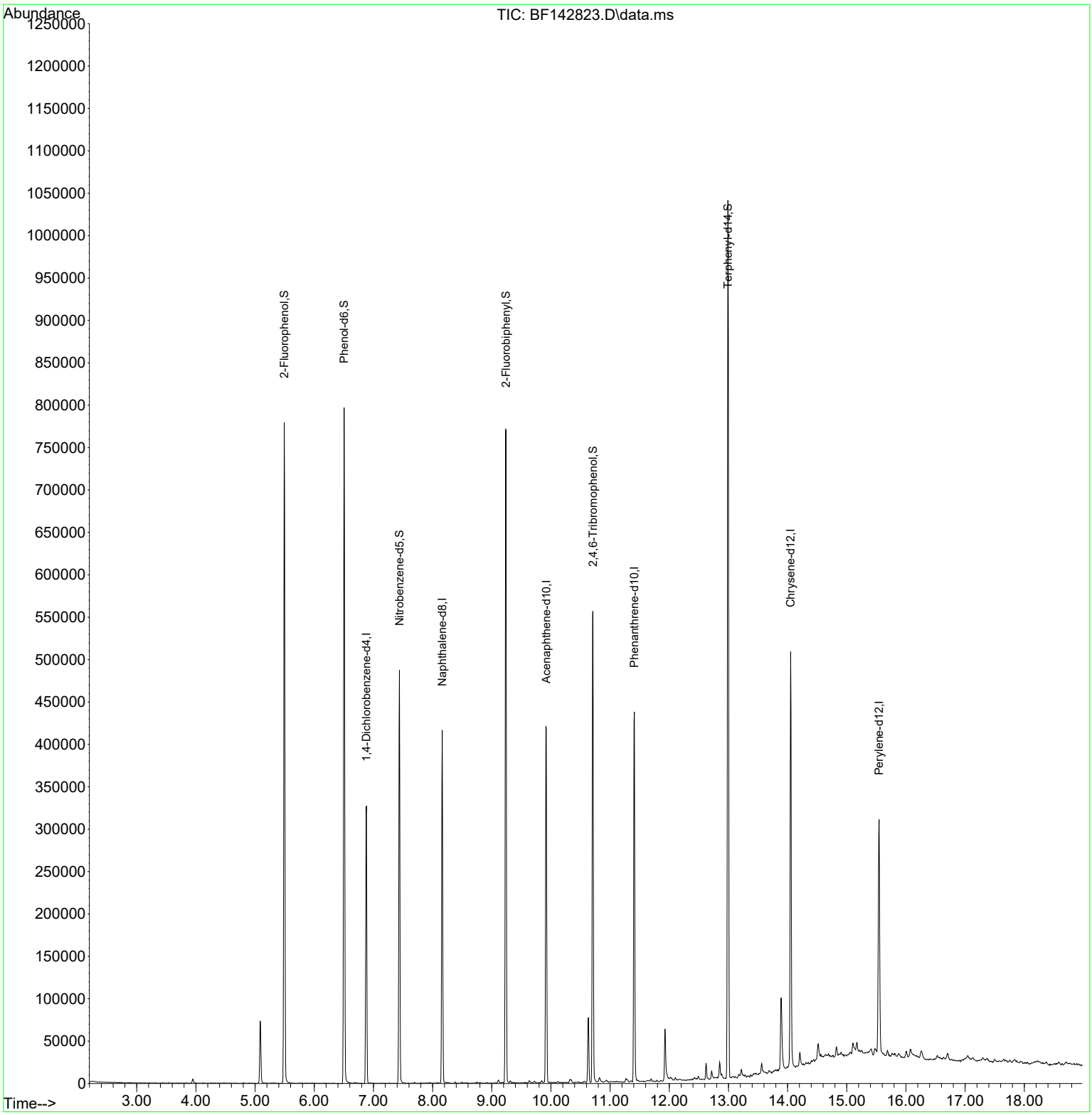
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	73650	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	263416	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131114	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233515	20.000	ng	0.00
76) Chrysene-d12	14.051	240	228217	20.000	ng	0.00
86) Perylene-d12	15.545	264	158913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296694	67.070	ng	0.00
7) Phenol-d6	6.504	99	353931	67.816	ng	0.00
23) Nitrobenzene-d5	7.439	82	199985	41.643	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95854	71.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	354082	35.477	ng	0.00
79) Terphenyl-d14	12.992	244	495859	30.021	ng	0.00
Target Compounds						Qvalue

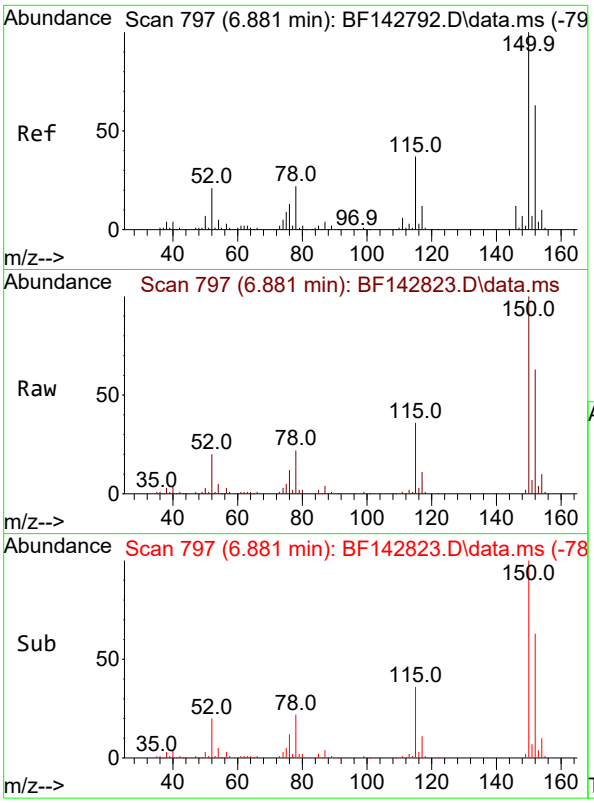
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



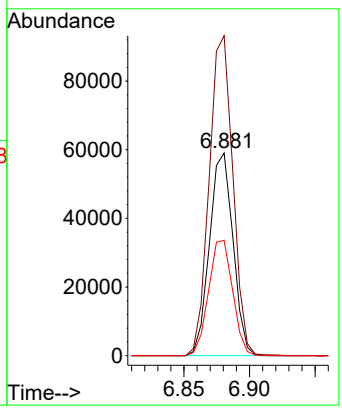


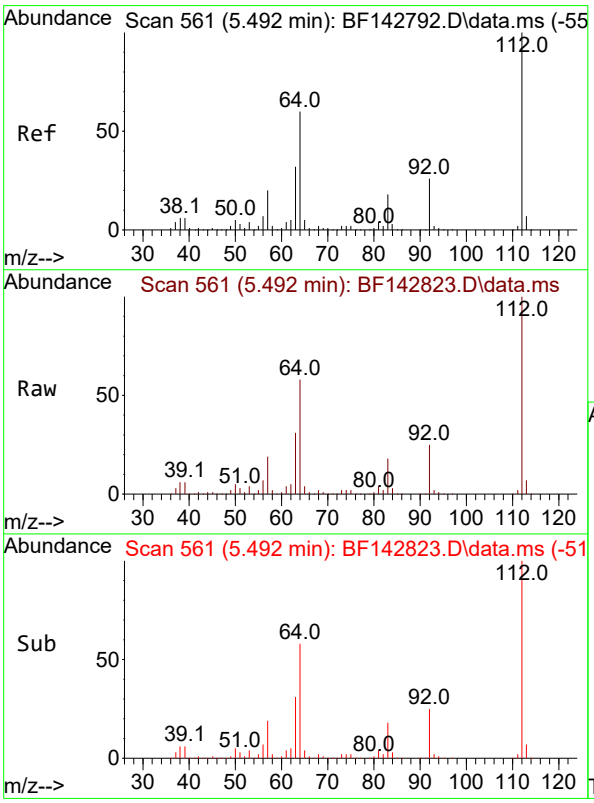
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:152 Resp: 73650

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.2	190.8
115	56.9	46.6	69.8

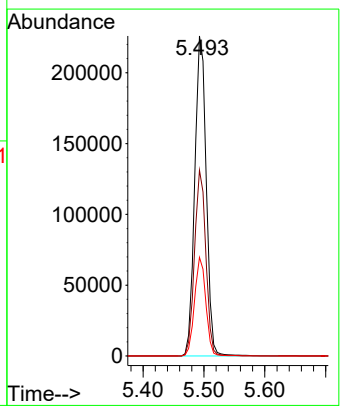


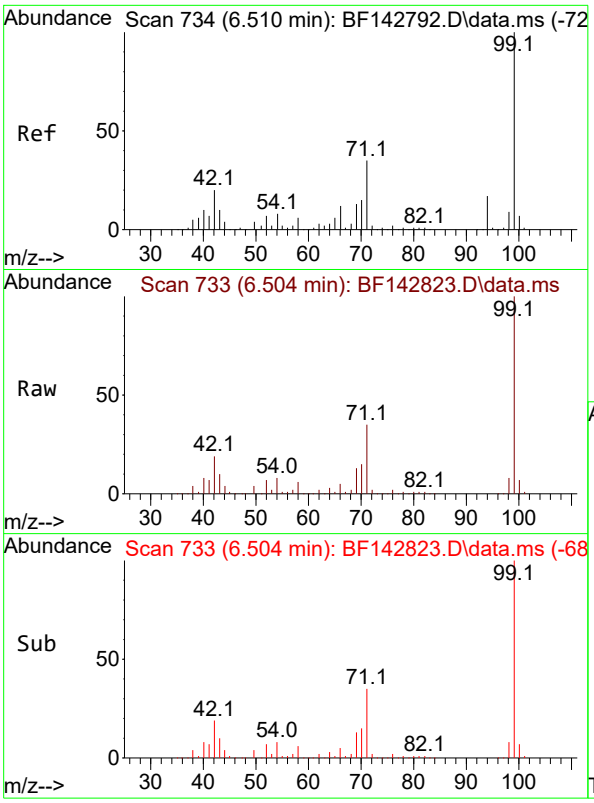


#5
2-Fluorophenol
Concen: 67.070 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:112 Resp: 296694

Ion	Ratio	Lower	Upper
112	100		
64	58.0	48.2	72.2
63	30.8	25.7	38.5



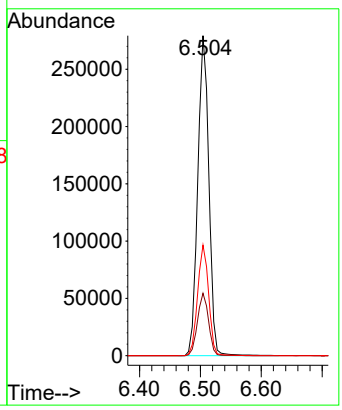


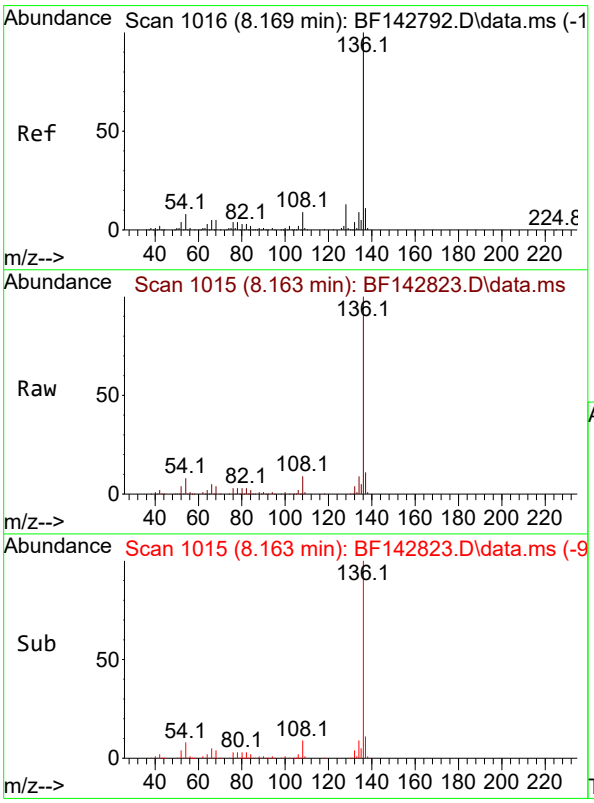
#7
Phenol-d6
Concen: 67.816 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion: 99 Resp: 353931

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.9	23.9
71	34.5	27.8	41.8

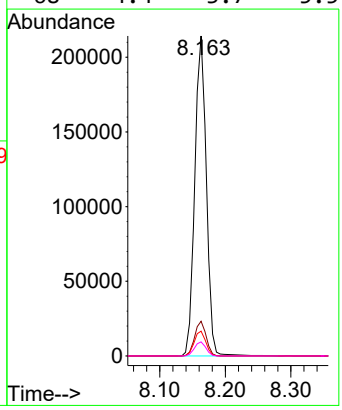


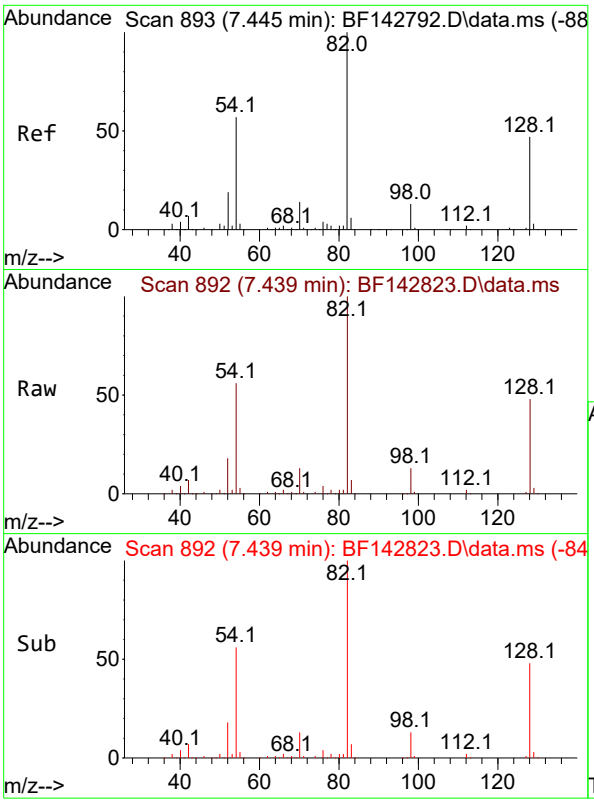


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:136 Resp: 263416

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.4	3.7	5.5



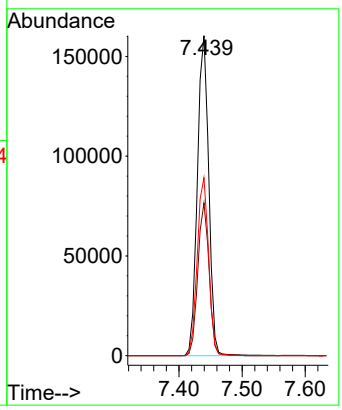


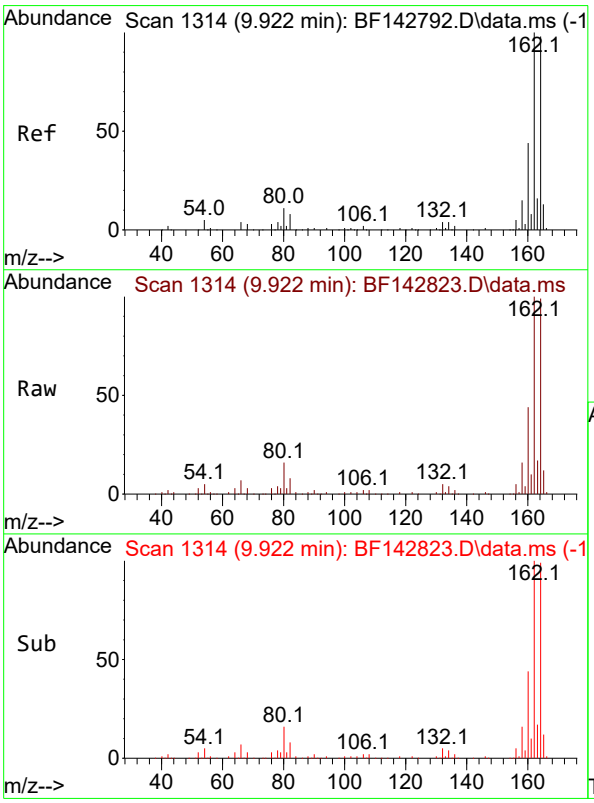
#23
Nitrobenzene-d5
Concen: 41.643 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion: 82 Resp: 199985

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	55.6	45.7	68.5

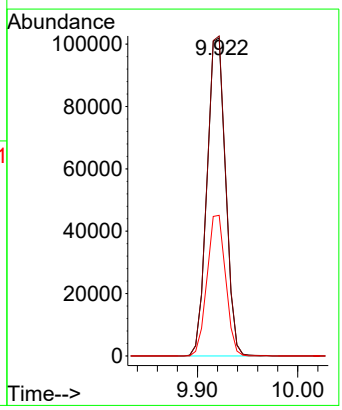


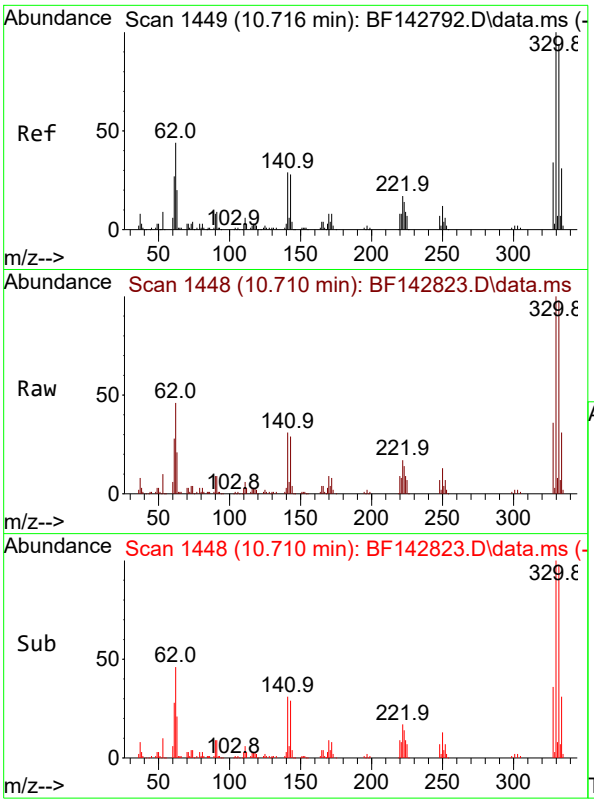


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:164 Resp: 131114

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.8
160	44.2	36.0	54.0



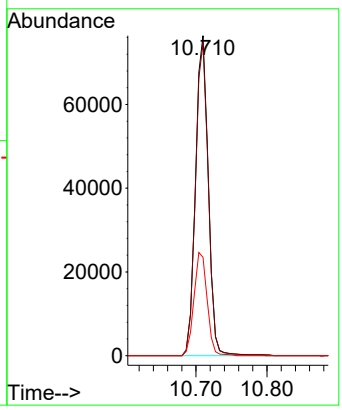


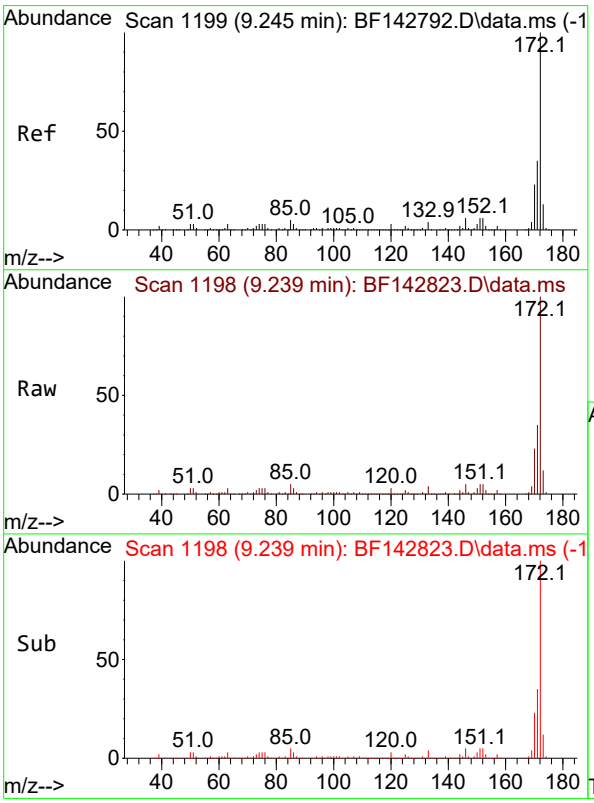
#42
2,4,6-Tribromophenol
Concen: 71.042 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:330 Resp: 95854

Ion	Ratio	Lower	Upper
330	100		
332	98.0	75.0	112.6
141	33.2	25.3	37.9

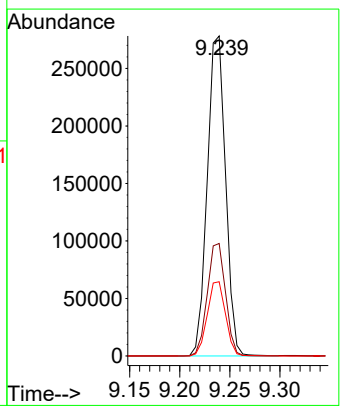


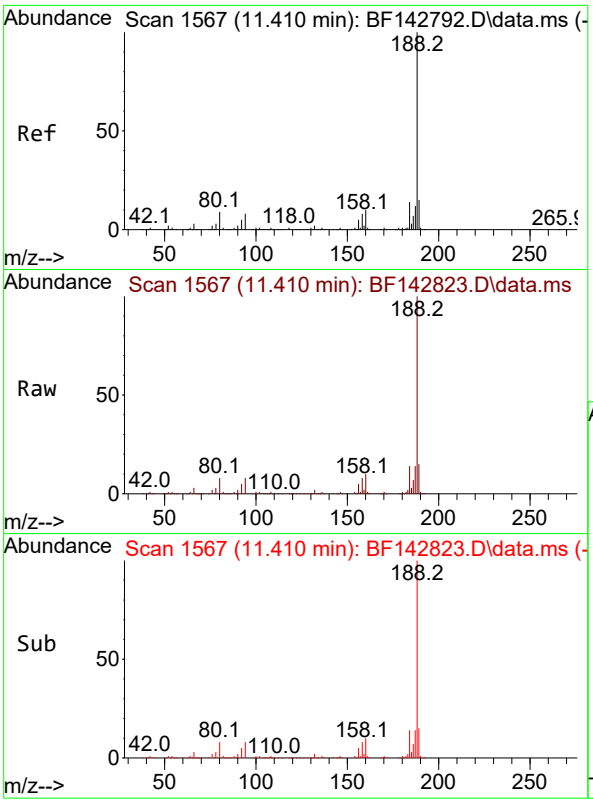


#45
2-Fluorobiphenyl
Concen: 35.477 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:172 Resp: 354082

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.2	18.5	27.7



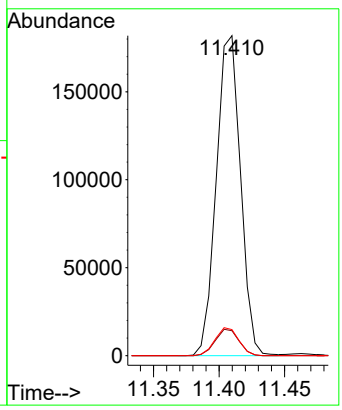


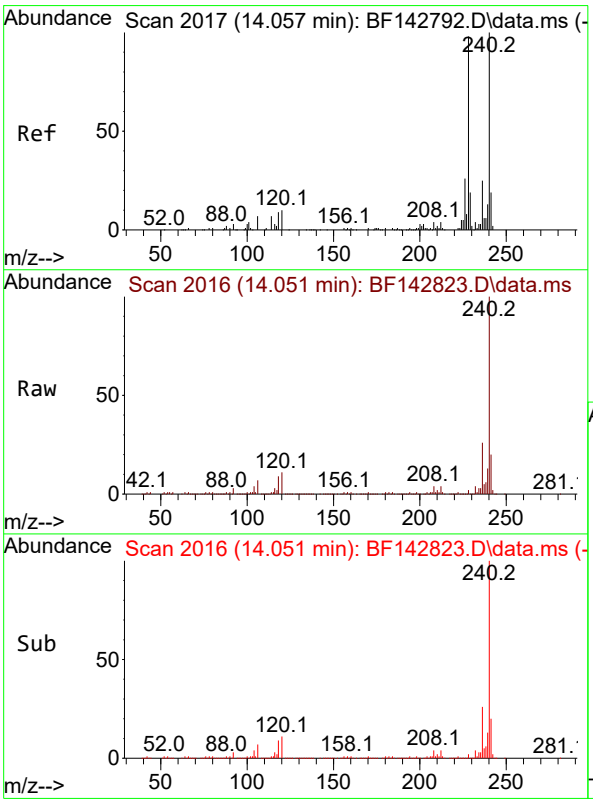
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:188 Resp: 233515

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3

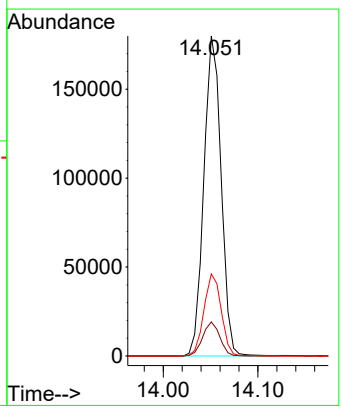


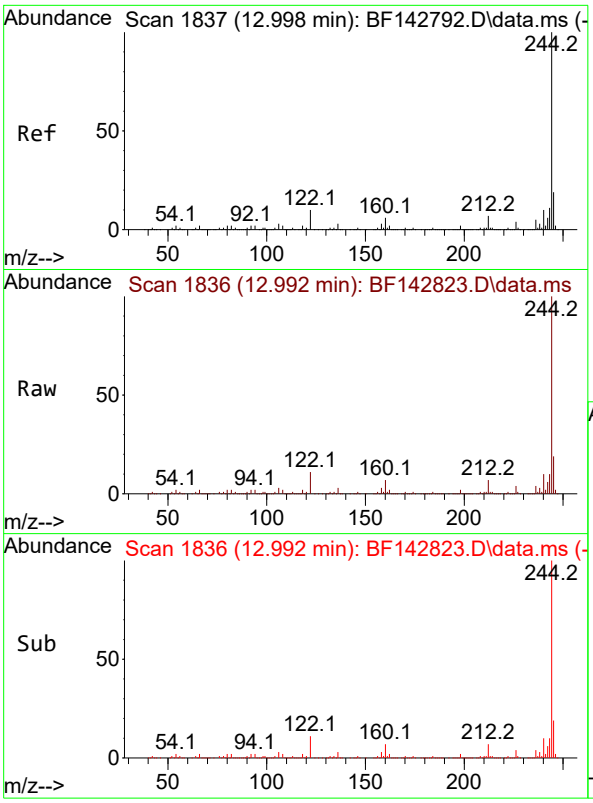


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:240 Resp: 228217

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.6	19.8	29.8



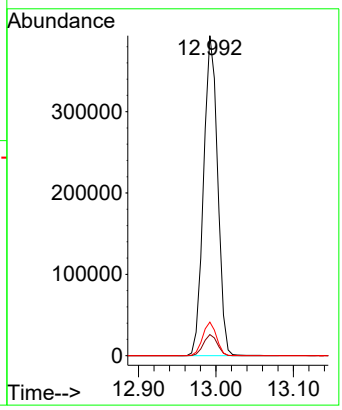


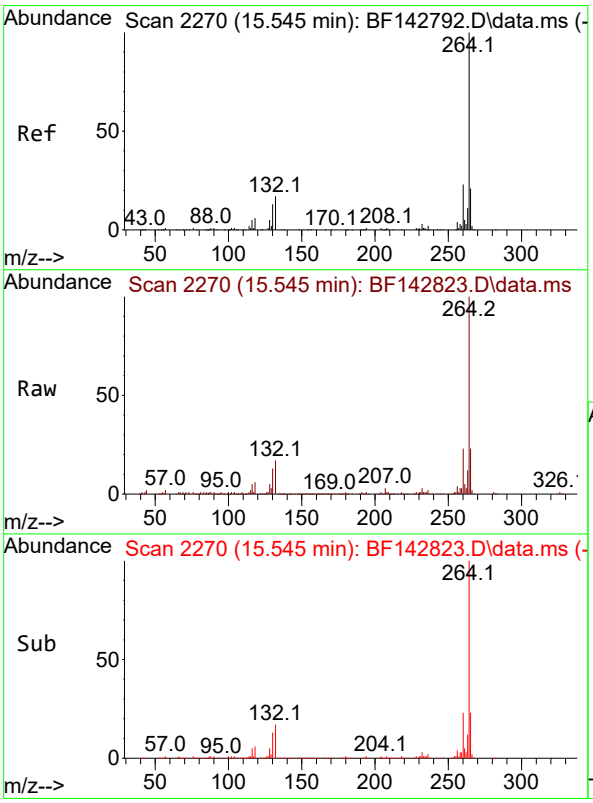
#79
Terphenyl-d14
Concen: 30.021 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Tgt Ion:244 Resp: 495859

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.5	8.2	12.2

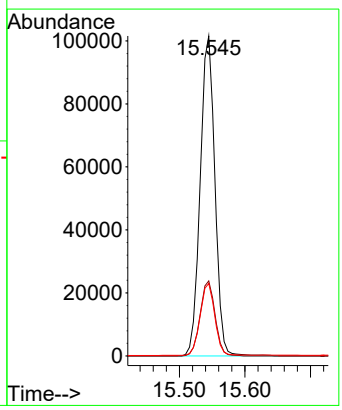




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:264 Resp: 158913

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.1	27.1
265	22.6	16.6	25.0



Sample Results: **BF142823.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142823.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	487	492	502	rVB	73168	102315	7.88%	1.093%
2	5.493	556	561	582	rVB	779277	1008921	77.74%	10.782%
3	6.504	727	733	750	rBV	796847	1012337	78.00%	10.819%
4	6.881	792	797	802	rBV	327165	412778	31.81%	4.411%
5	7.439	886	892	897	rBV	487038	603461	46.50%	6.449%
6	8.163	1010	1015	1020	rBV	415753	505222	38.93%	5.399%
7	9.233	1192	1197	1203	rBV	771277	986033	75.98%	10.538%
8	9.916	1308	1313	1319	rVB	418971	538523	41.49%	5.755%
9	10.633	1429	1435	1442	rBV	76501	97251	7.49%	1.039%
10	10.710	1442	1448	1458	rBV	555708	728692	56.15%	7.787%
11	11.410	1561	1567	1574	rBV	436130	568337	43.79%	6.074%
12	11.927	1649	1655	1664	rBV2	61519	99116	7.64%	1.059%
13	12.621	1769	1773	1778	rBV	19449	24242	1.87%	0.259%
14	12.716	1785	1789	1795	rBV3	9106	14635	1.13%	0.156%
15	12.851	1807	1812	1816	rBV	18483	27172	2.09%	0.290%
16	12.992	1831	1836	1841	rBV	1035209	1297818	100.00%	13.870%
17	13.563	1929	1933	1940	rBV2	11197	18115	1.40%	0.194%
18	13.892	1984	1989	2002	rBV	84244	147627	11.38%	1.578%
19	14.051	2011	2016	2026	rVB	488466	637978	49.16%	6.818%
20	14.210	2039	2043	2050	rBV	14713	22357	1.72%	0.239%
21	14.515	2091	2095	2101	rBV2	16969	31746	2.45%	0.339%
22	15.104	2192	2195	2202	rBV	11200	23523	1.81%	0.251%
23	15.545	2264	2270	2281	rVB	276101	449138	34.61%	4.800%

Sum of corrected areas: 9357337

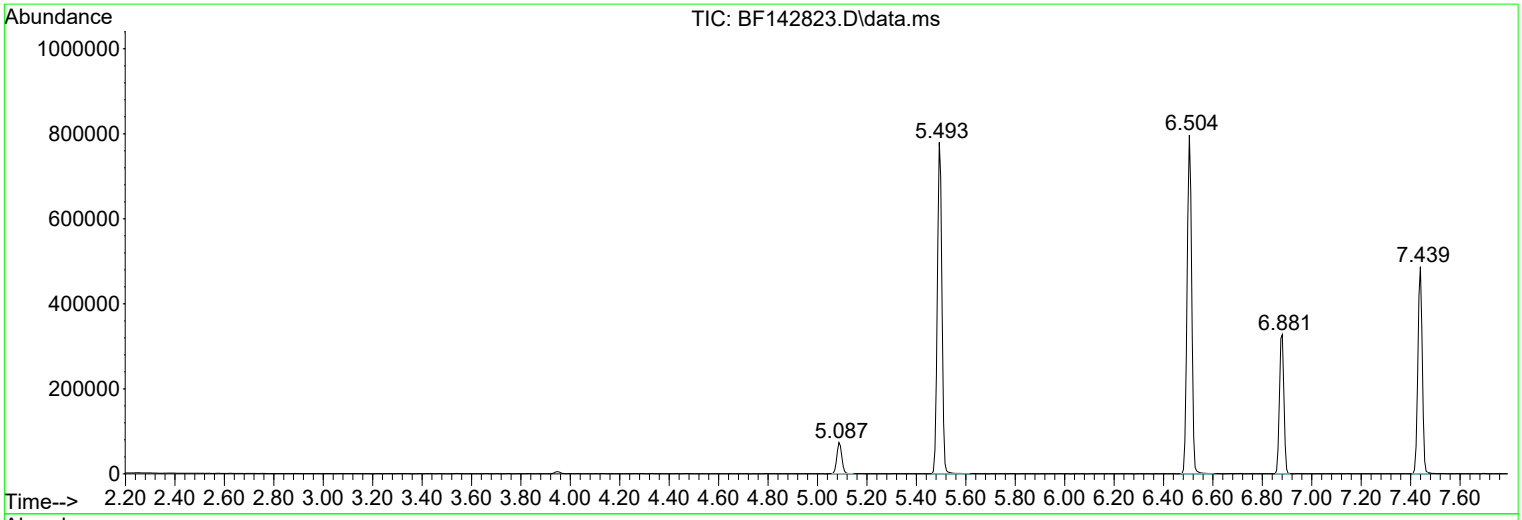
Sample Results: **BF142823.D**

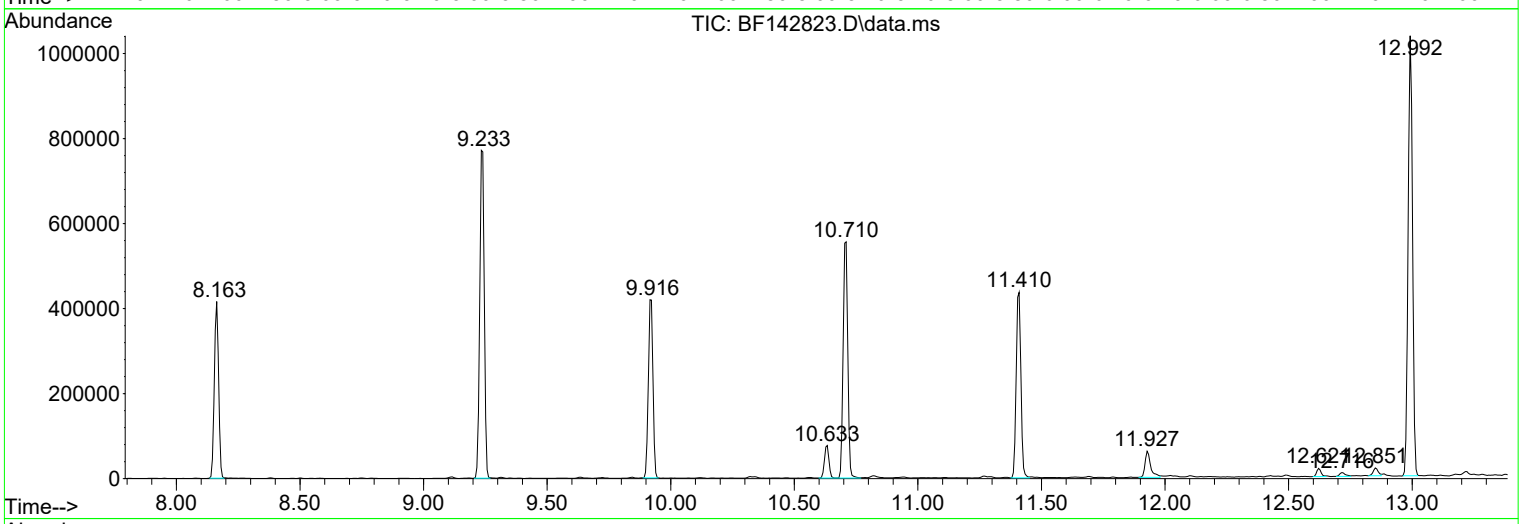
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

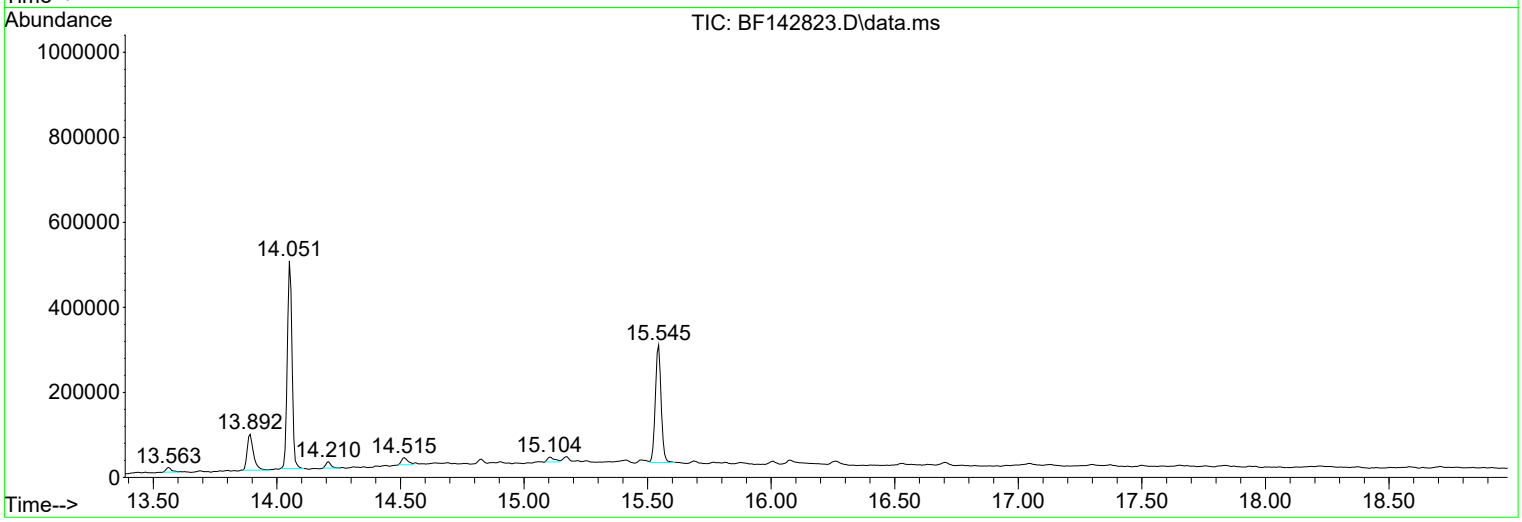
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

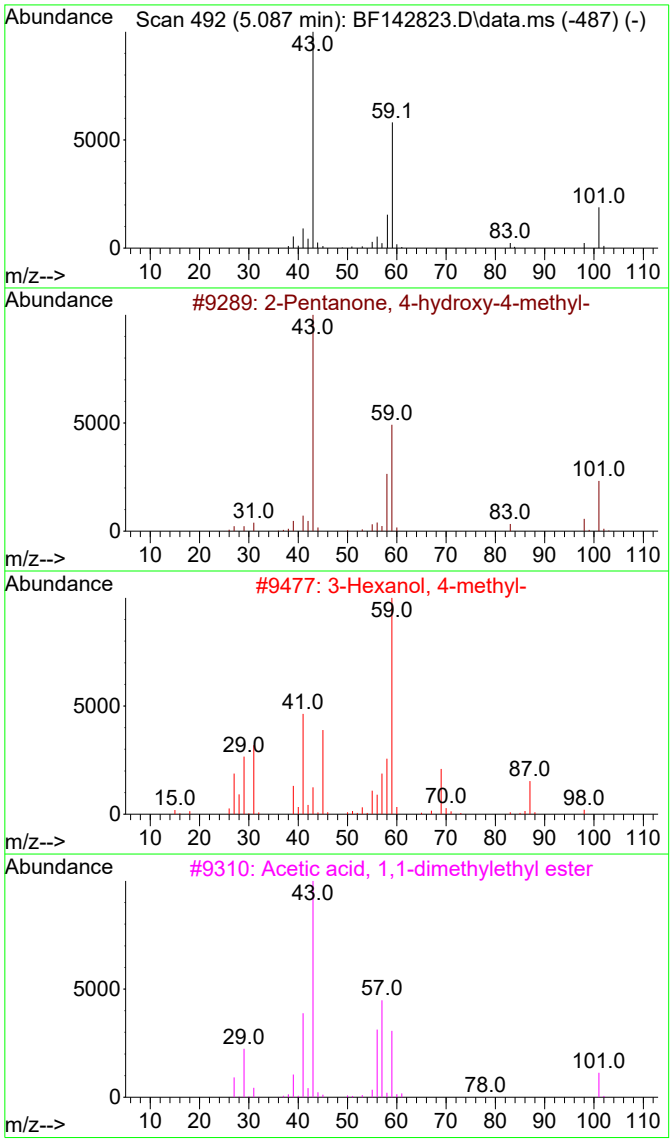
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

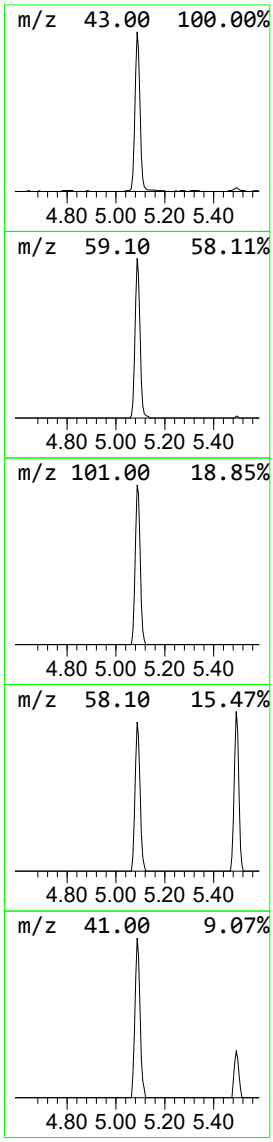
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	4.96 ng	102315	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

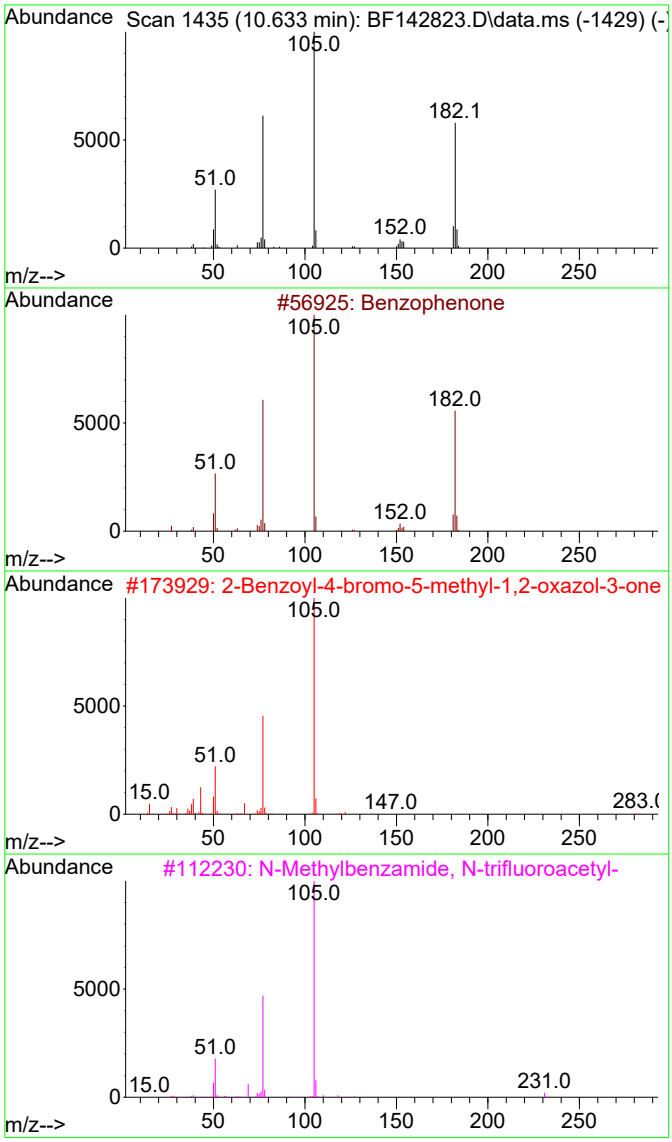
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

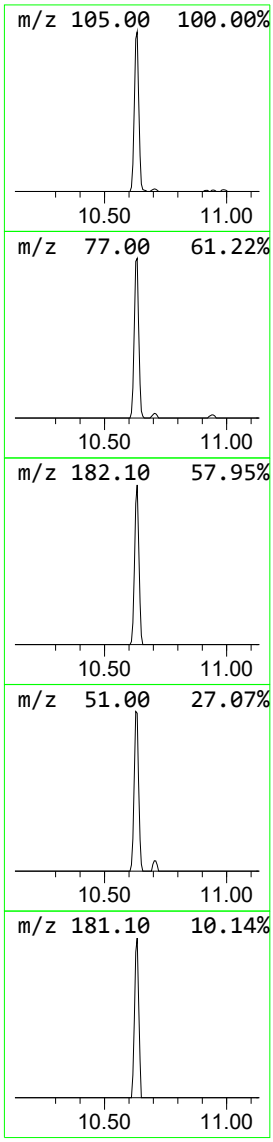
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	3.61 ng	97251	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

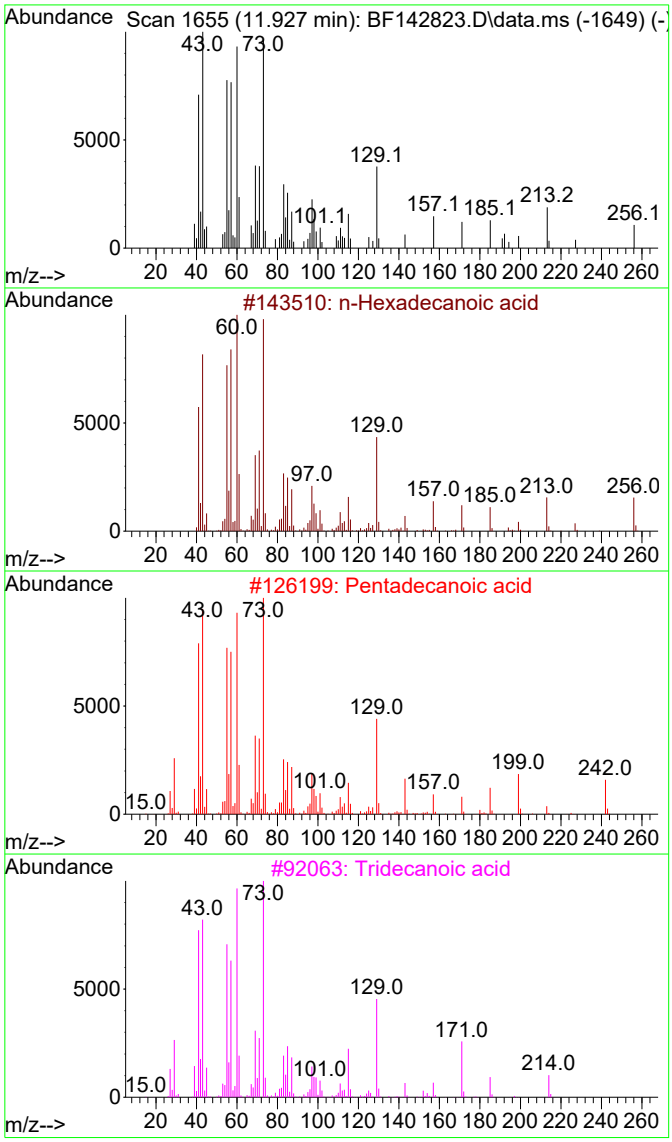
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

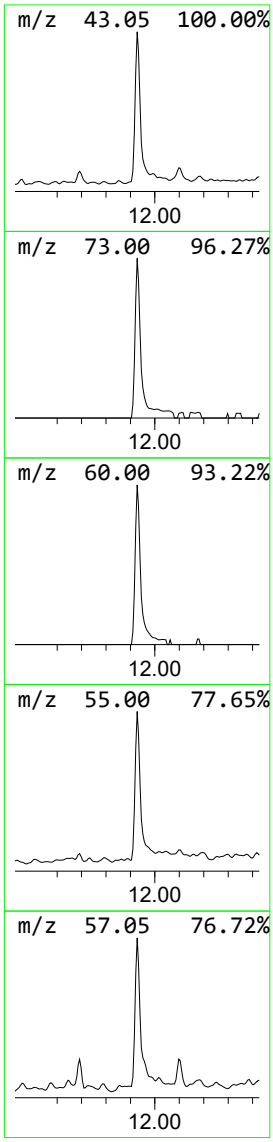
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.49 ng	99116	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

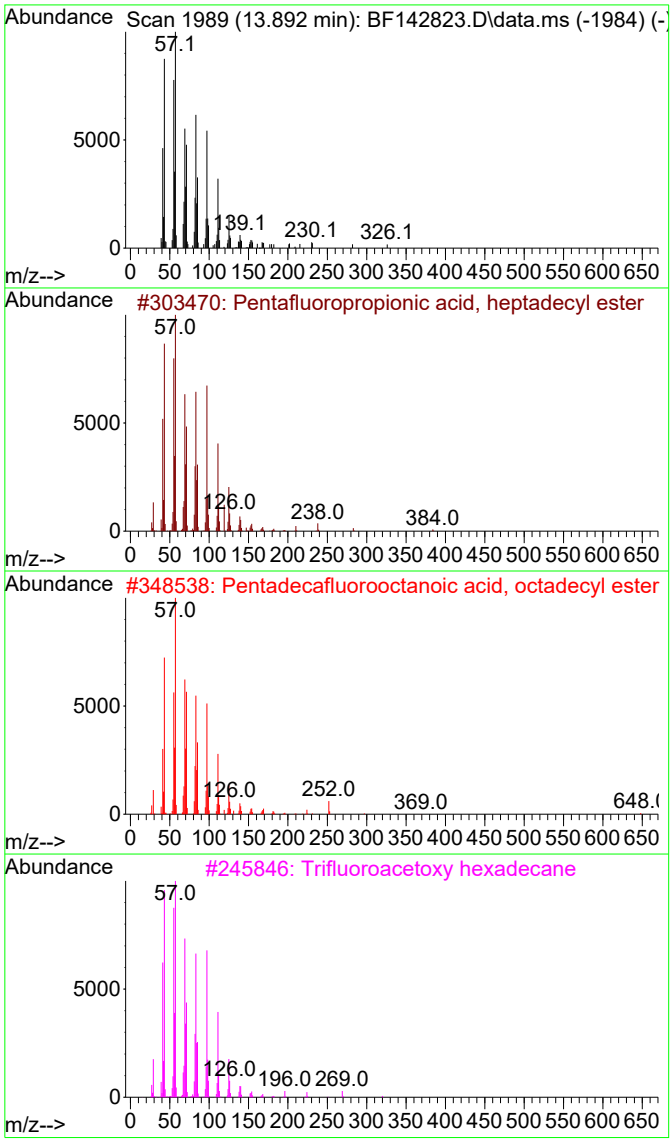
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

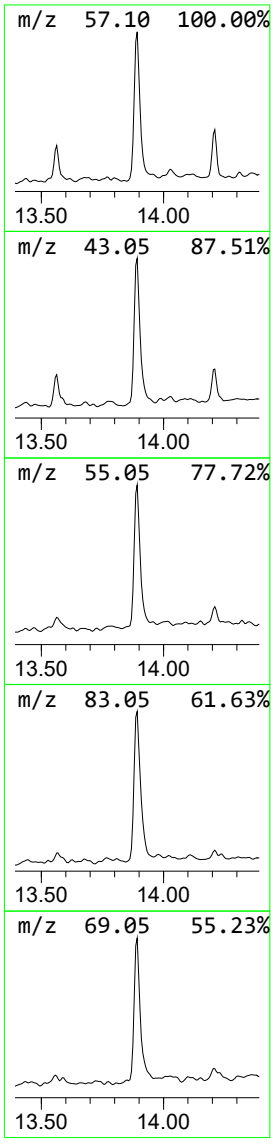
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	147627	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	95
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.0	ng	102315	1	6.881	412778	20.0
Benzophenone	10.633	3.6	ng	97251	3	9.922	538523	20.0
n-Hexadecanoic ...	11.927	3.5	ng	99116	4	11.410	568337	20.0
Pentafluoroprop...	13.892	4.6	ng	147627	5	14.051	637978	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

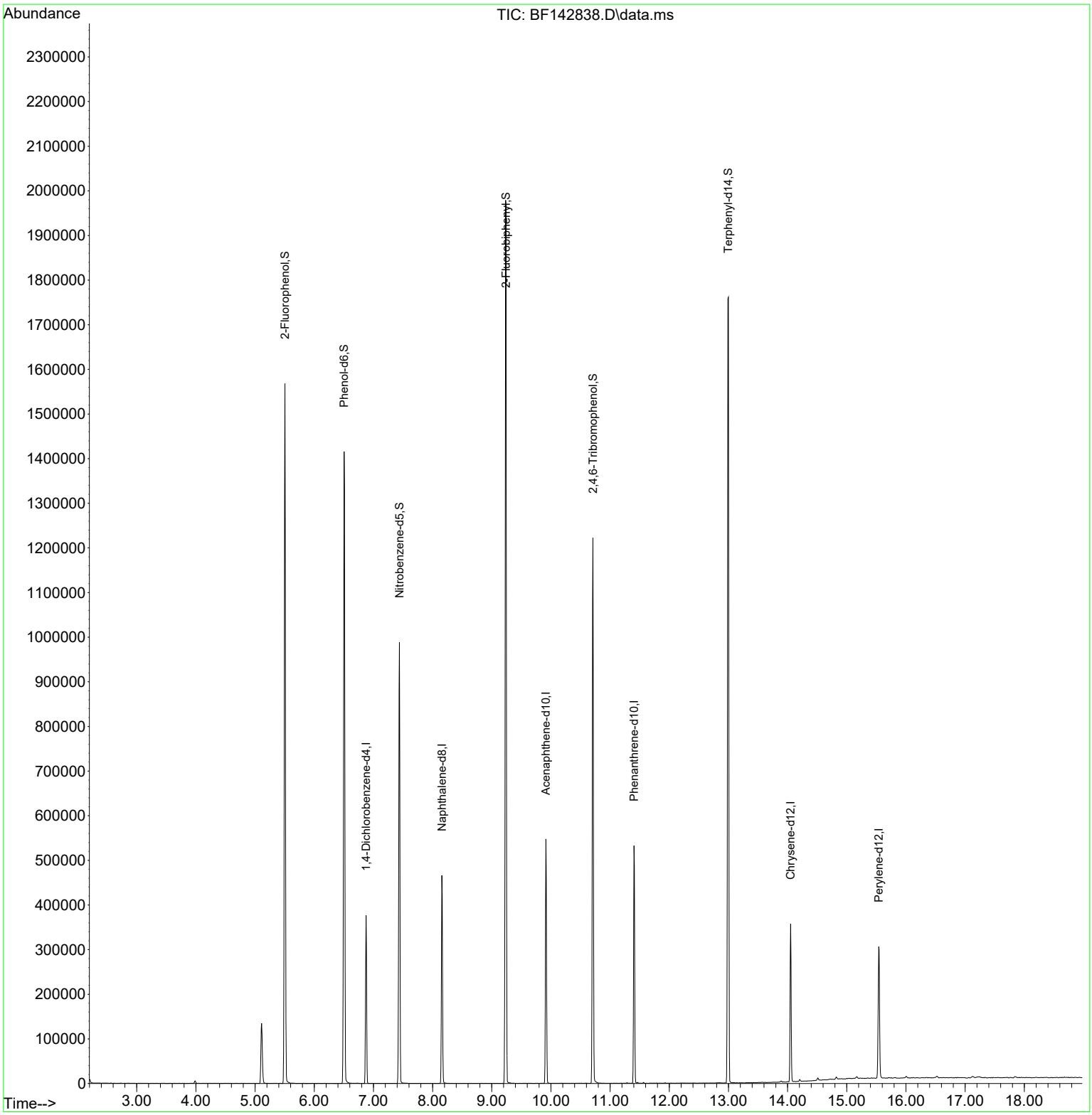
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81390	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	310420	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163008	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	283770	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173595	20.000	ng	0.00
86) Perylene-d12	15.539	264	178625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	609610	124.703	ng	0.01
7) Phenol-d6	6.504	99	704216	122.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	448695	79.284	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	216788	129.236	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	968980	78.090	ng	0.00
79) Terphenyl-d14	12.998	244	909178	72.365	ng	0.00
Target Compounds						Qvalue

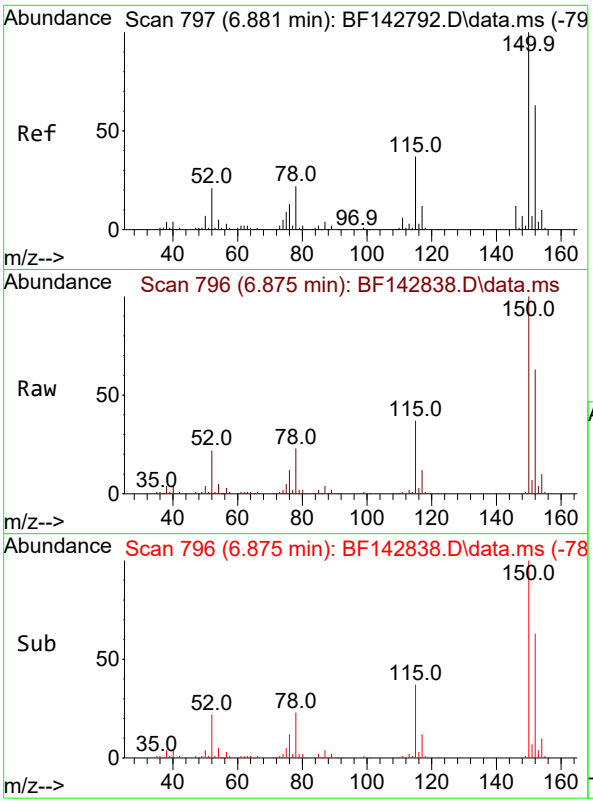
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



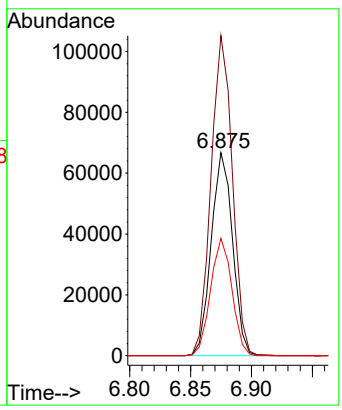


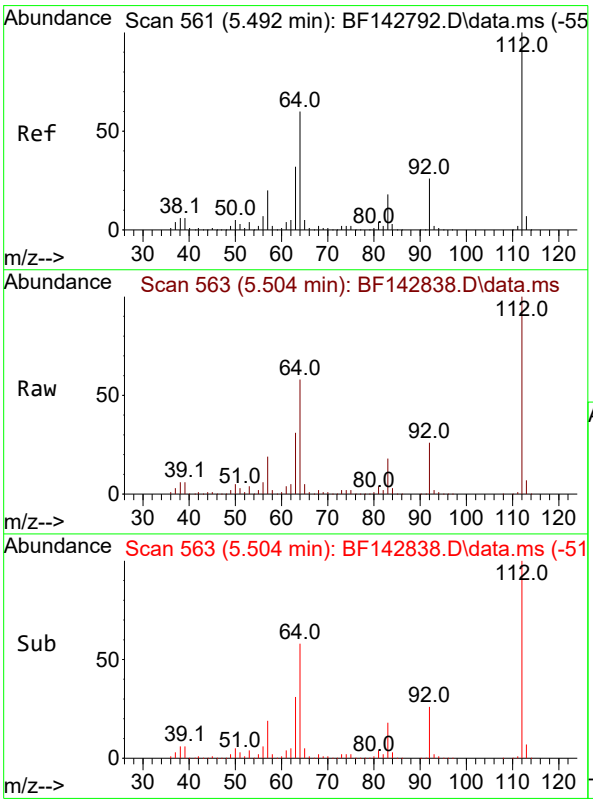
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:152 Resp: 81390

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.2	190.8
115	57.8	46.6	69.8

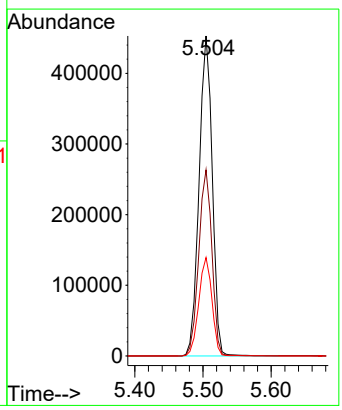


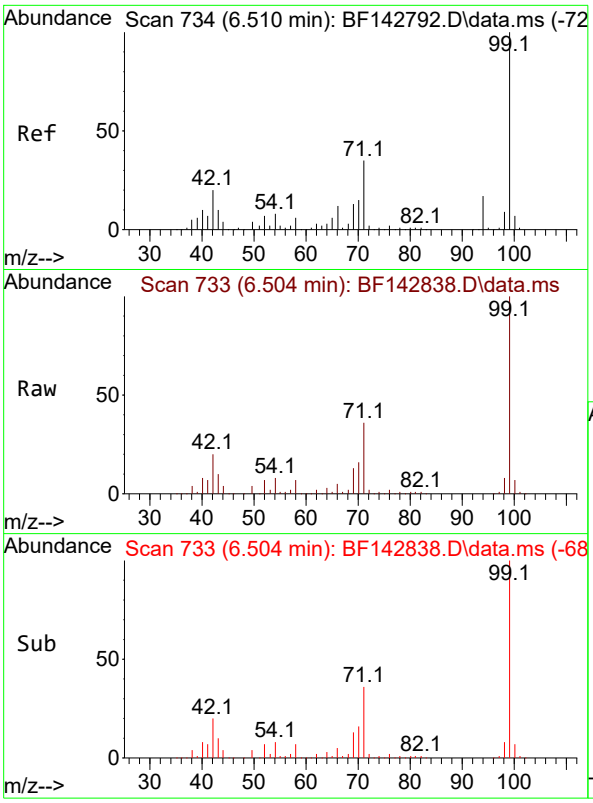


#5
2-Fluorophenol
Concen: 124.703 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:112 Resp: 609610

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	30.8	25.7	38.5



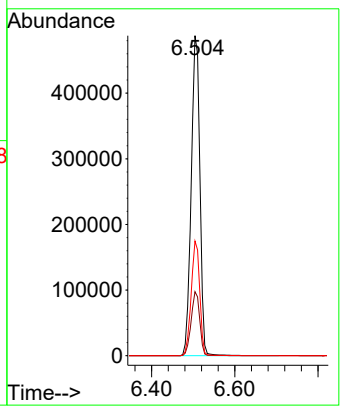


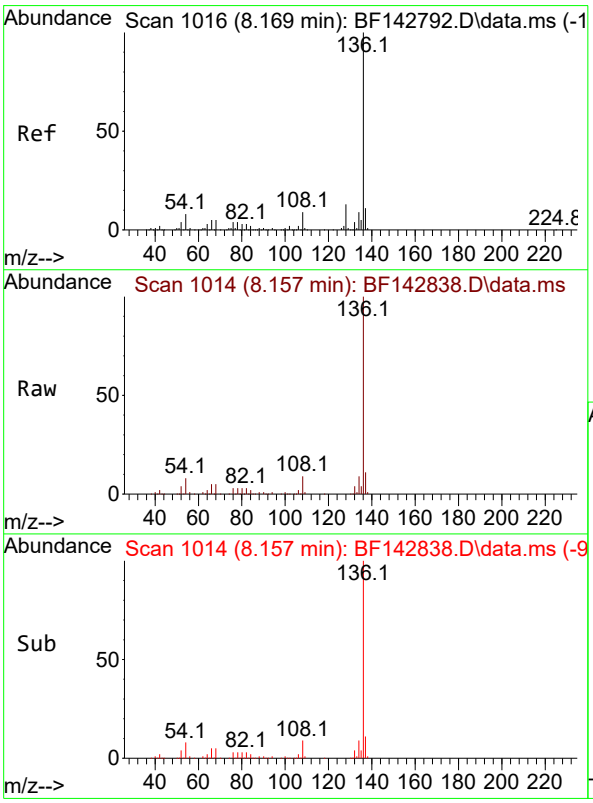
#7
Phenol-d6
Concen: 122.101 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 99 Resp: 704216

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.8	27.8	41.8

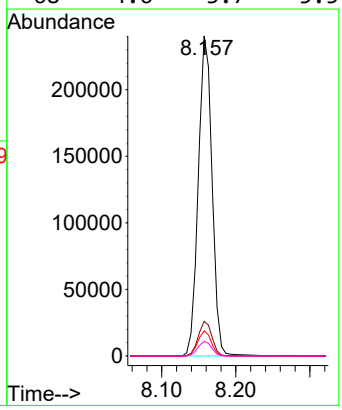


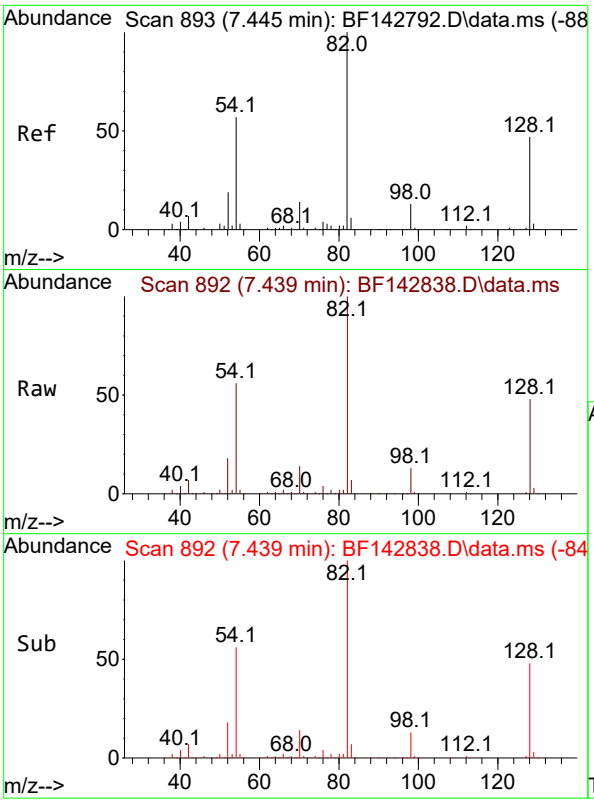


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:136 Resp: 310420

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5



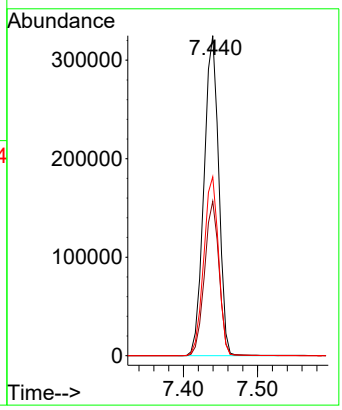


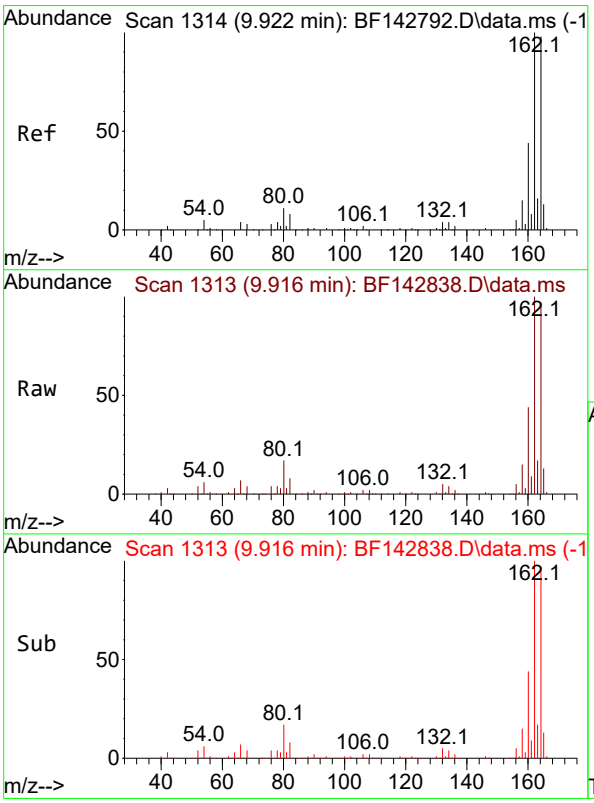
#23
Nitrobenzene-d5
Concen: 79.284 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 82 Resp: 448695

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

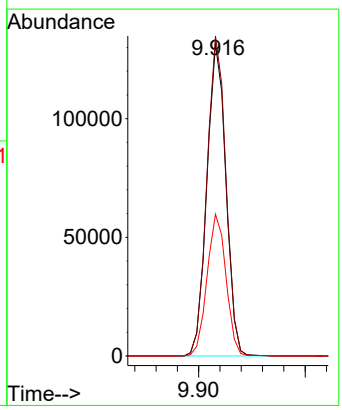


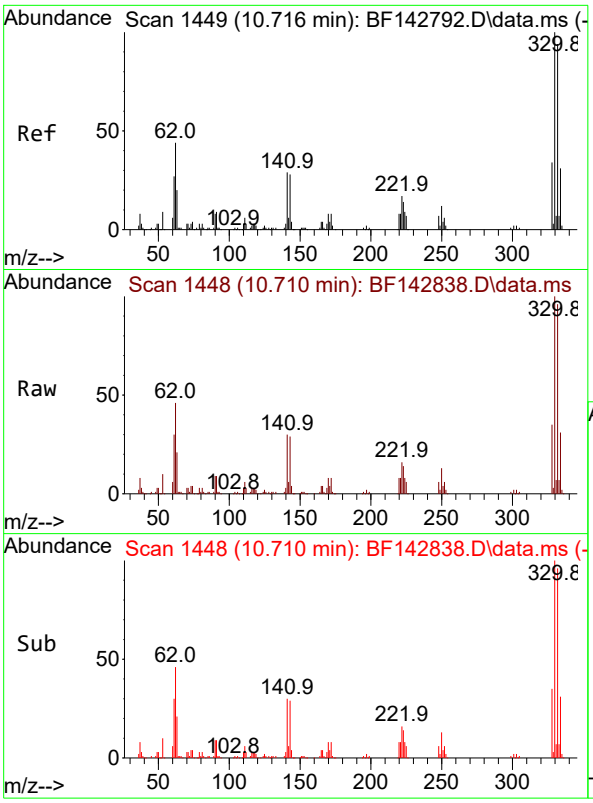


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:164 Resp: 163008

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	45.4	36.0	54.0



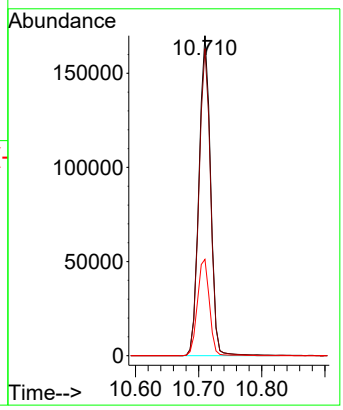


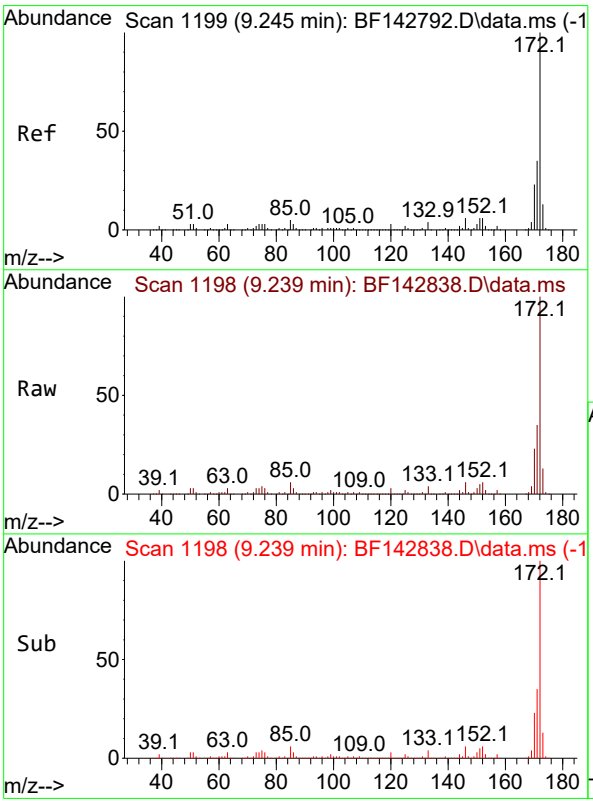
#42
2,4,6-Tribromophenol
Concen: 129.236 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:330 Resp: 216788

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.0	112.6
141	31.1	25.3	37.9

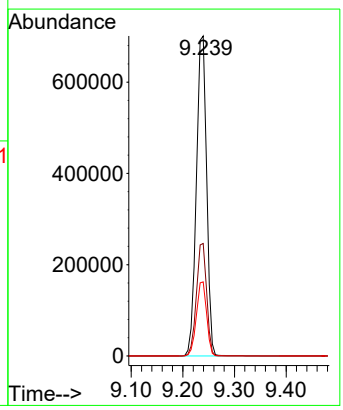


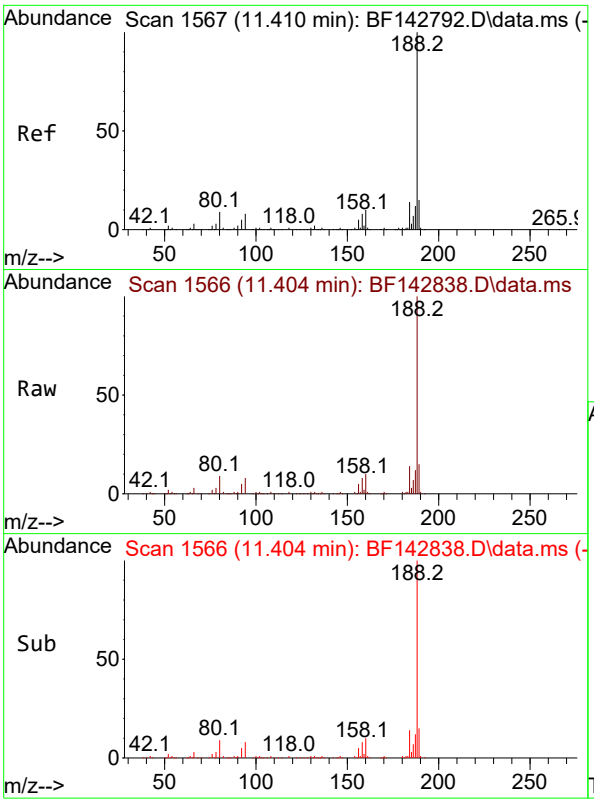


#45
2-Fluorobiphenyl
Concen: 78.090 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:172 Resp: 968980

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



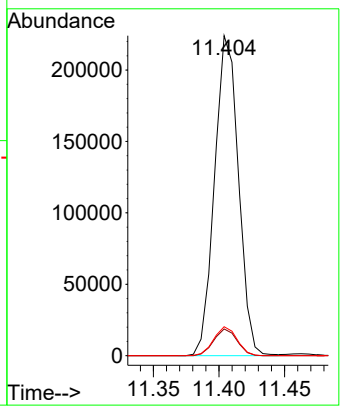


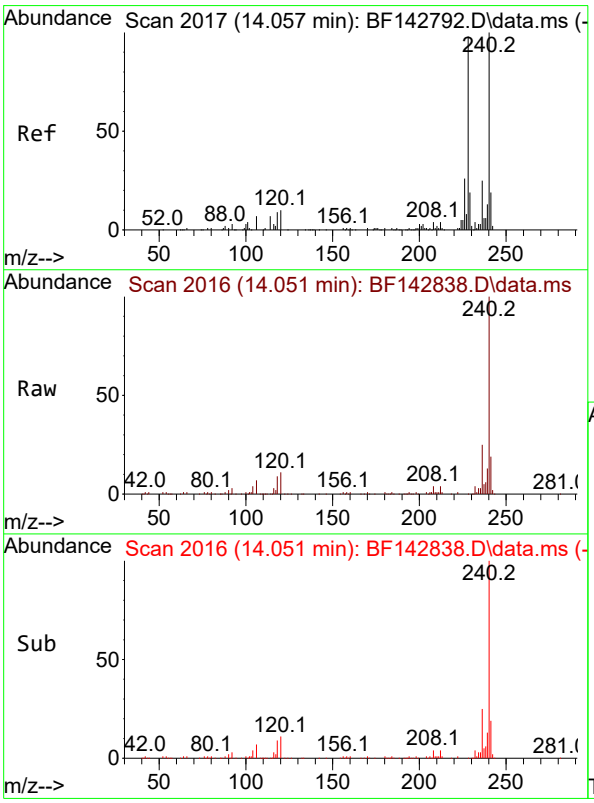
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:188 Resp: 283770

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.0	6.9	10.3

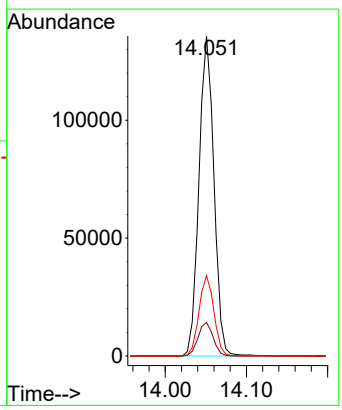


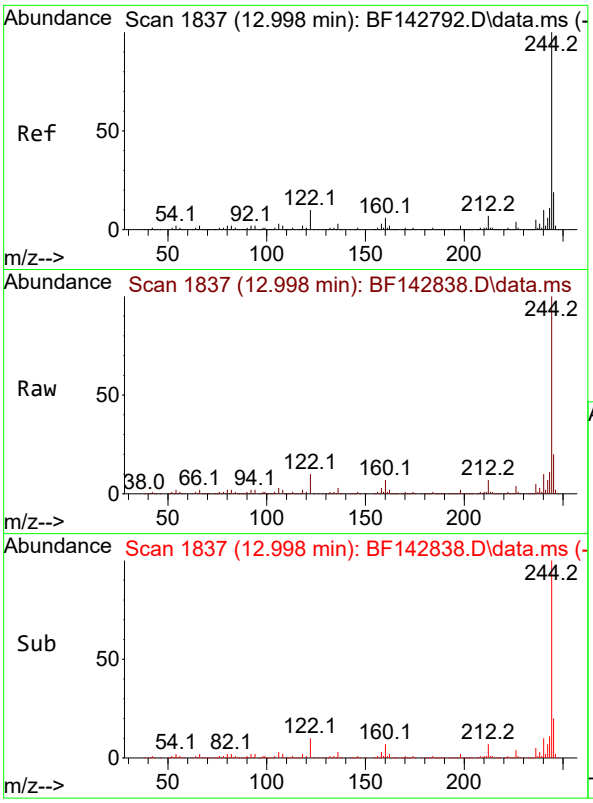


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:240 Resp: 173595

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	25.1	19.8	29.8



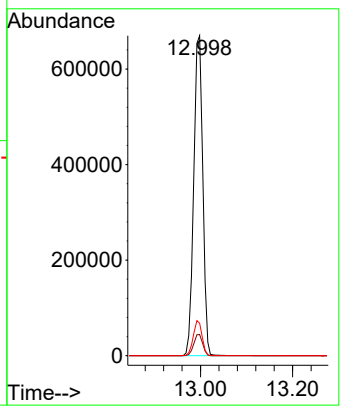


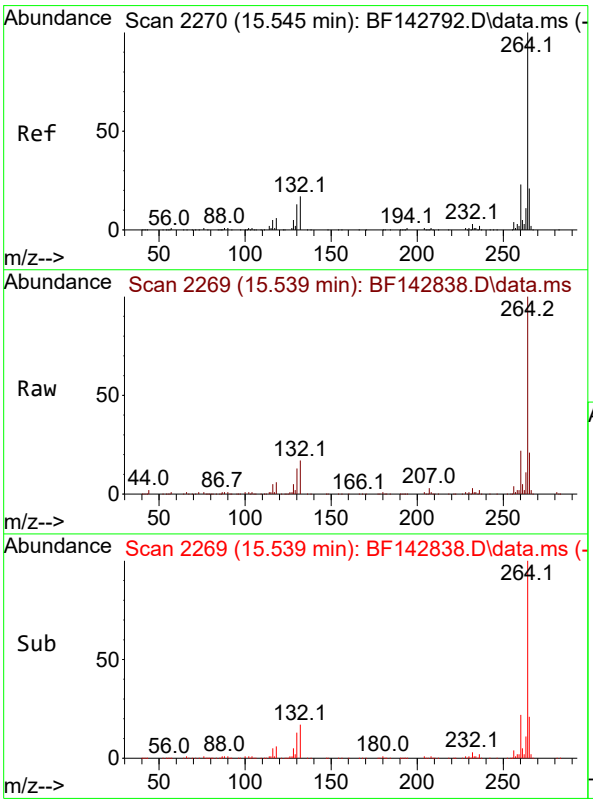
#79
Terphenyl-d14
Concen: 72.365 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:244 Resp: 909178

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	8.2	12.2

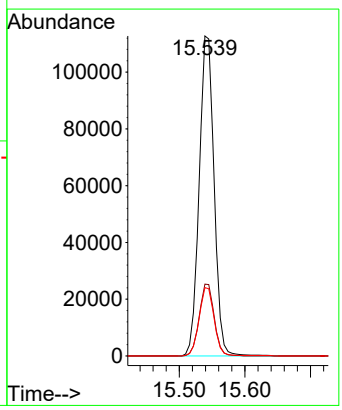




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:264 Resp: 178625

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.3	16.6	25.0



Sample Results: **BF142838.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142838.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	490	496	512	rBV	134562	218768	8.05%	1.393%
2	5.504	557	563	568	rBV	1567687	2094706	77.08%	13.340%
3	6.504	727	733	739	rBV	1415529	2031499	74.75%	12.937%
4	6.875	791	796	801	rBV	376505	456236	16.79%	2.905%
5	7.440	885	892	897	rBV	988208	1354913	49.86%	8.629%
6	8.157	1009	1014	1023	rBV	465796	594340	21.87%	3.785%
7	9.234	1191	1197	1203	rBV	1978735	2717613	100.00%	17.307%
8	9.916	1308	1313	1318	rBV	547186	673895	24.80%	4.292%
9	10.710	1442	1448	1462	rBV	1221589	1584076	58.29%	10.088%
10	11.404	1561	1566	1572	rBV	532159	669733	24.64%	4.265%
11	12.998	1831	1837	1842	rBV	1759942	2395333	88.14%	15.254%
12	14.051	2011	2016	2024	rBV	353759	447792	16.48%	2.852%
13	15.539	2263	2269	2279	rBV	294234	463780	17.07%	2.954%

Sum of corrected areas: 15702684

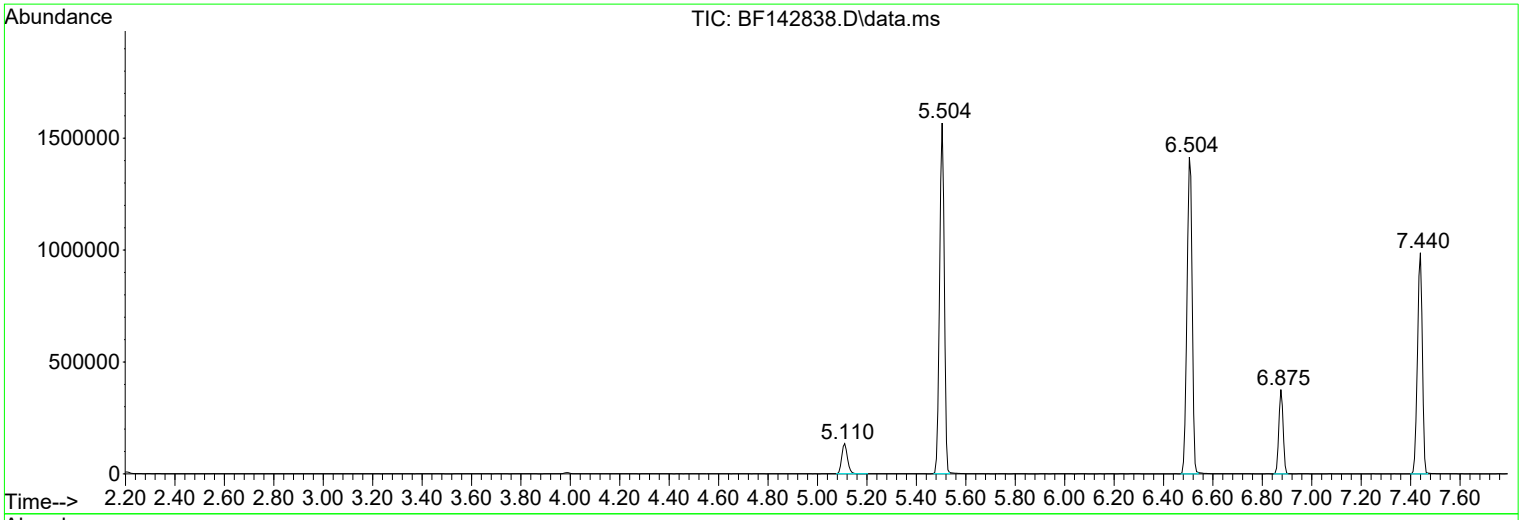
Sample Results: **BF142838.D**

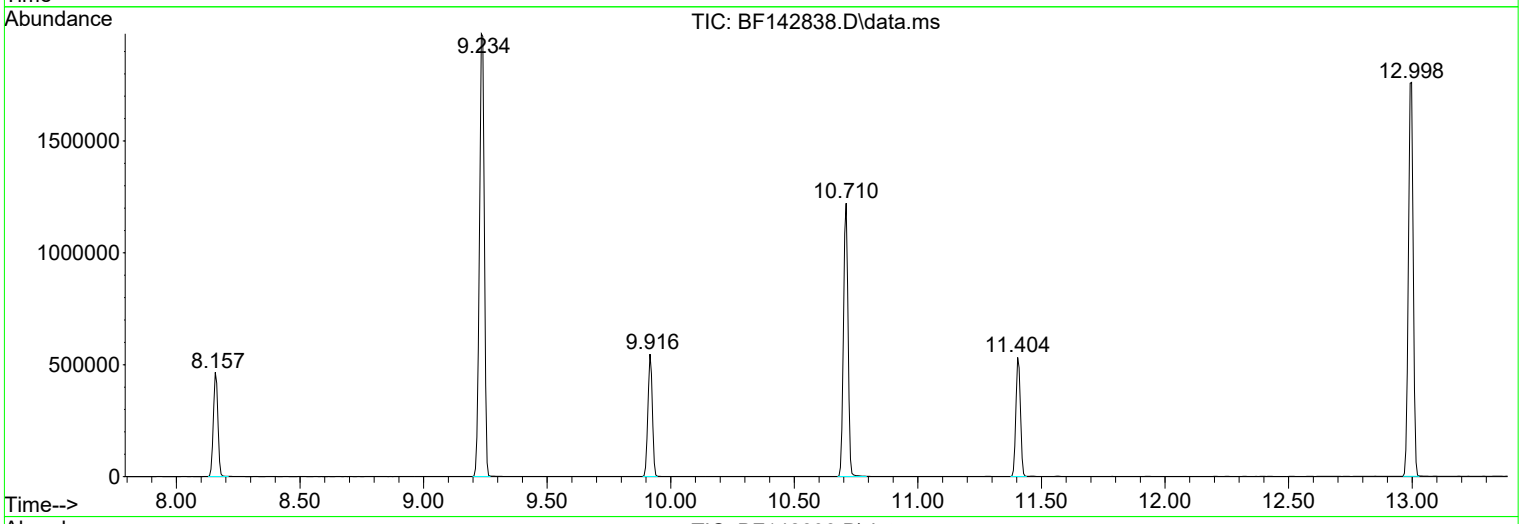
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

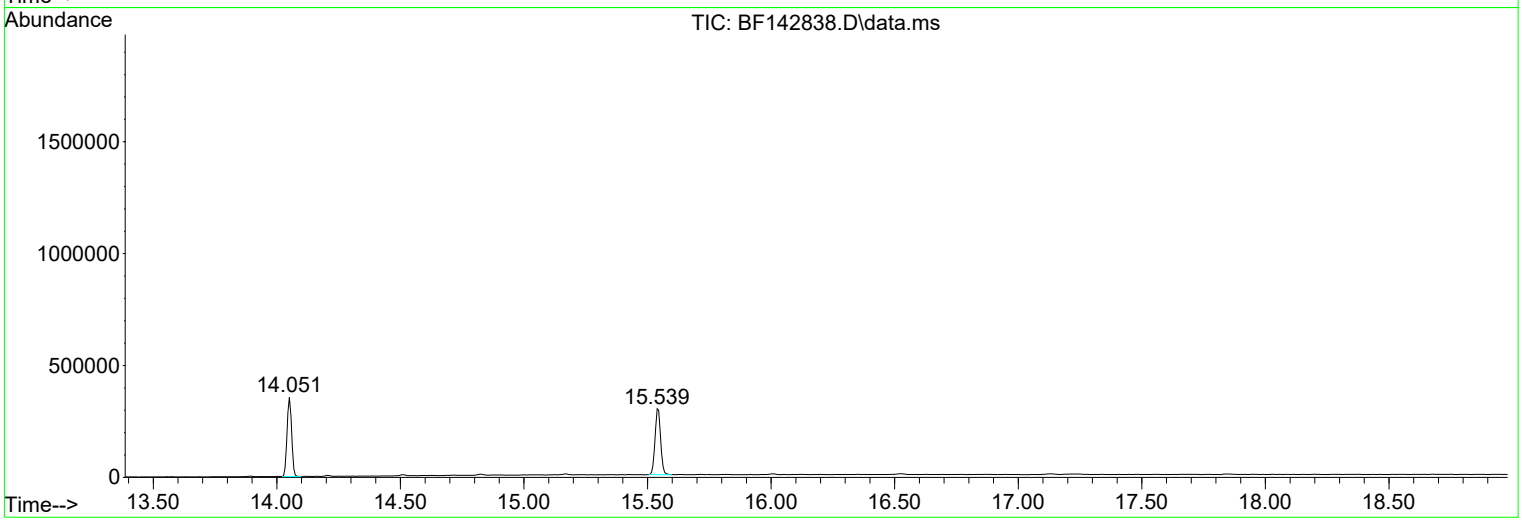
Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

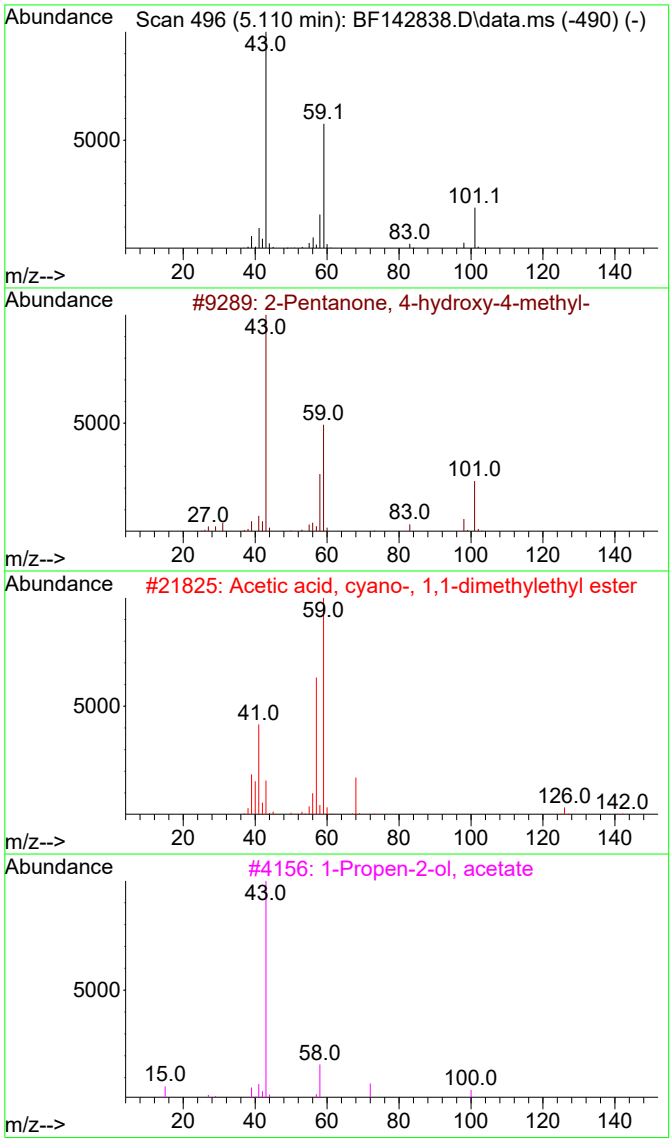
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

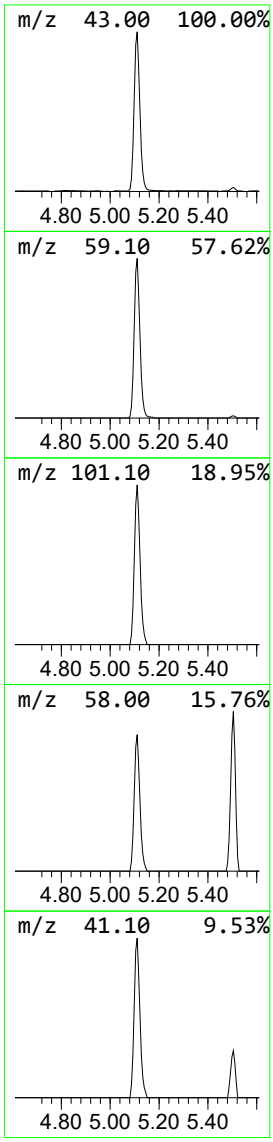
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	9.59 ng	218768	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	9.6	ng	218768	1	6.875	456236	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	274808	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	132637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	201072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	147361	20.000	ng	0.00
86) Perylene-d12	15.545	264	184315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	537720	118.141	ng	0.01
7) Phenol-d6	6.510	99	611348	113.848	ng	0.00
23) Nitrobenzene-d5	7.439	82	386152	77.075	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161105	118.032	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	796019	78.840	ng	0.00
79) Terphenyl-d14	12.992	244	660839	61.962	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	67762	37.222	ng	98
3) Pyridine	3.475	79	184116	40.342	ng	99
4) n-Nitrosodimethylamine	3.428	42	102806	43.561	ng	99
6) Aniline	6.540	93	213128	29.829	ng	92
8) 2-Chlorophenol	6.663	128	210361	42.845	ng	99
9) Benzaldehyde	6.428	77	126150	39.597	ng	99
10) Phenol	6.522	94	245098	41.062	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	186285	43.666	ng	99
12) 1,3-Dichlorobenzene	6.816	146	238490	43.433	ng	99
13) 1,4-Dichlorobenzene	6.892	146	243305	43.918	ng	99
14) 1,2-Dichlorobenzene	7.045	146	231457	44.048	ng	99
15) Benzyl Alcohol	7.022	79	162957	41.977	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	291399	42.514	ng	97
17) 2-Methylphenol	7.134	107	154584	41.547	ng	98
18) Hexachloroethane	7.387	117	86781	44.785	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	133756	42.827	ng	100
20) 3+4-Methylphenols	7.287	107	191364	41.251	ng	91
22) Acetophenone	7.287	105	270364	44.614	ng	98
24) Nitrobenzene	7.457	77	201988	44.544	ng	99
25) Isophorone	7.698	82	354436	44.101	ng	100
26) 2-Nitrophenol	7.775	139	114740	46.450	ng	99
27) 2,4-Dimethylphenol	7.816	122	183895	42.978	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	226918	44.411	ng	99
29) 2,4-Dichlorophenol	8.022	162	167520	43.179	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	192694	45.168	ng	99
31) Naphthalene	8.181	128	599634	44.578	ng	100
32) Benzoic acid	7.928	122	97867	44.876	ng	96
33) 4-Chloroaniline	8.234	127	92787	16.964	ng	98
34) Hexachlorobutadiene	8.298	225	120739	46.269	ng	99
35) Caprolactam	8.598	113	43848	42.830	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	157573	40.867	ng	100
37) 2-Methylnaphthalene	8.875	142	362264	43.440	ng	100
38) 1-Methylnaphthalene	8.975	142	373442	43.258	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	185507	47.400	ng	99
41) Hexachlorocyclopentadiene	9.028	237	226737	102.091	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	113915	44.668	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

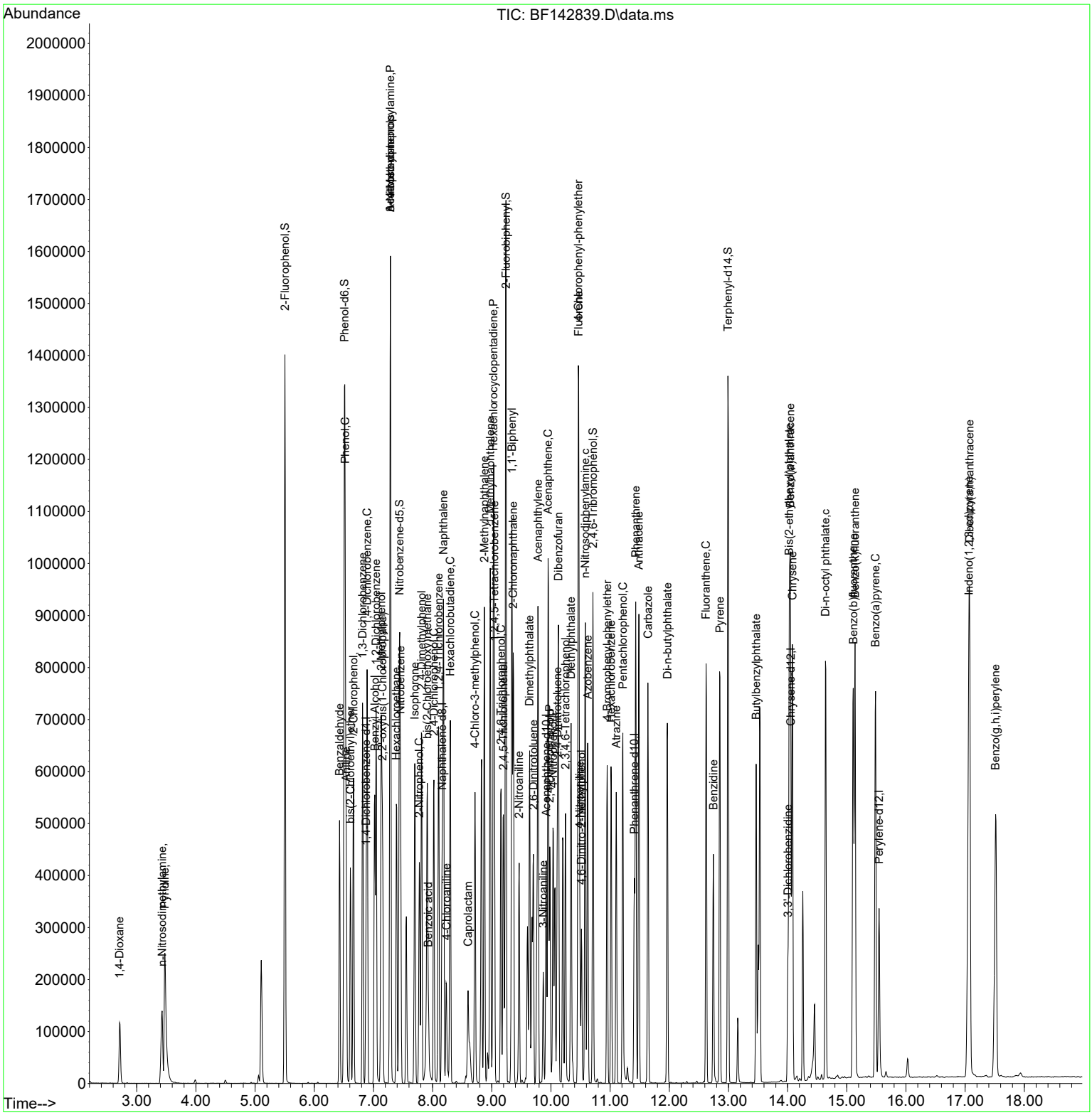
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	118294	44.064	ng	99
46) 1,1'-Biphenyl	9.339	154	485020	46.291	ng	100
47) 2-Chloronaphthalene	9.363	162	355587	45.225	ng	100
48) 2-Nitroaniline	9.463	65	95641	43.388	ng	96
49) Acenaphthylene	9.781	152	578483	44.692	ng	99
50) Dimethylphthalate	9.639	163	383618	44.681	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83401	44.233	ng	97
52) Acenaphthene	9.951	154	386282	48.914	ng	100
53) 3-Nitroaniline	9.869	138	47033	22.656	ng	99
54) 2,4-Dinitrophenol	9.980	184	91154	96.551	ng	99
55) Dibenzofuran	10.128	168	498929	44.058	ng	99
56) 4-Nitrophenol	10.039	139	119930	84.387	ng	98
57) 2,4-Dinitrotoluene	10.110	165	110607	44.163	ng	99
58) Fluorene	10.469	166	381766	43.166	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	94664	43.746	ng	96
60) Diethylphthalate	10.339	149	374487	44.486	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	184980	43.831	ng	99
62) 4-Nitroaniline	10.486	138	78627	41.413	ng	98
63) Azobenzene	10.622	77	316690	42.092	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	58716	48.278	ng	94
66) n-Nitrosodiphenylamine	10.580	169	325101	46.652	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109098	47.675	ng	98
68) Hexachlorobenzene	11.016	284	120002	47.193	ng	98
69) Atrazine	11.104	200	93915	52.189	ng	99
70) Pentachlorophenol	11.216	266	118039	93.159	ng	98
71) Phenanthrene	11.433	178	493078	45.269	ng	99
72) Anthracene	11.486	178	508495	45.520	ng	100
73) Carbazole	11.639	167	444907	46.152	ng	100
74) Di-n-butylphthalate	11.969	149	518753	51.656	ng	100
75) Fluoranthene	12.621	202	482438	46.670	ng	100
77) Benzidine	12.745	184	243534	43.987	ng	99
78) Pyrene	12.857	202	486813	35.244	ng	100
80) Butylbenzylphthalate	13.469	149	210760	52.602	ng	96
81) Benzo(a)anthracene	14.045	228	452476	45.516	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	64332	19.951	ng	98
83) Chrysene	14.080	228	411802	46.423	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	318139	55.187	ng	99
85) Di-n-octyl phthalate	14.639	149	578638	53.232	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	603239	42.968	ng	99
88) Benzo(b)fluoranthene	15.110	252	497308	46.629	ng	100
89) Benzo(k)fluoranthene	15.139	252	476932	47.797	ng	99
90) Benzo(a)pyrene	15.486	252	485264	47.097	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	488418	42.817	ng	99
92) Benzo(g,h,i)perylene	17.515	276	484905	42.630	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	88519	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	329491	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	165682	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	227501	20.000	ng		0.00
76) Chrysene-d12	14.057	240	165966	20.000	ng		0.00
86) Perylene-d12	15.545	264	197780	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	499572	93.963	ng		0.01
7) Phenol-d6	6.510	99	600360	95.711	ng		0.00
23) Nitrobenzene-d5	7.439	82	362464	60.340	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	150754	88.420	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	742296	58.856	ng		0.00
79) Terphenyl-d14	12.992	244	463419	38.581	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	75011	35.274	ng		100
3) Pyridine	3.475	79	200057	37.526	ng		99
4) n-Nitrosodimethylamine	3.428	42	107913	39.144	ng		100
6) Aniline	6.540	93	217621	26.074	ng	#	87
8) 2-Chlorophenol	6.663	128	233842	40.773	ng		98
9) Benzaldehyde	6.428	77	137324	36.901	ng		99
10) Phenol	6.528	94	273460	39.220	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	199815	40.096	ng		99
12) 1,3-Dichlorobenzene	6.816	146	255057	39.765	ng		99
13) 1,4-Dichlorobenzene	6.892	146	253276	39.138	ng		99
14) 1,2-Dichlorobenzene	7.045	146	244651	39.858	ng		99
15) Benzyl Alcohol	7.022	79	185058	40.809	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	311726	38.934	ng		95
17) 2-Methylphenol	7.134	107	174992	40.263	ng		98
18) Hexachloroethane	7.387	117	90157	39.831	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	148962	40.832	ng		97
20) 3+4-Methylphenols	7.287	107	219249	40.459	ng		96
22) Acetophenone	7.287	105	297693	40.971	ng		97
24) Nitrobenzene	7.463	77	222065	40.844	ng		97
25) Isophorone	7.698	82	393119	40.796	ng		100
26) 2-Nitrophenol	7.781	139	127098	42.914	ng		96
27) 2,4-Dimethylphenol	7.816	122	206921	40.334	ng		100
28) bis(2-Chloroethoxy)met...	7.910	93	252403	41.200	ng		100
29) 2,4-Dichlorophenol	8.022	162	190142	40.876	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	208686	40.798	ng		99
31) Naphthalene	8.186	128	662234	41.061	ng		100
32) Benzoic acid	7.928	122	97920	37.448	ng		96
33) 4-Chloroaniline	8.234	127	77471	11.813	ng		98
34) Hexachlorobutadiene	8.298	225	127754	40.832	ng		99
35) Caprolactam	8.604	113	50110	40.824	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	182369	39.448	ng		100
37) 2-Methylnaphthalene	8.875	142	404875	40.492	ng		100
38) 1-Methylnaphthalene	8.975	142	419225	40.502	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	206370	42.213	ng		99
41) Hexachlorocyclopentadiene	9.028	237	215010	77.502	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	131094	41.152	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

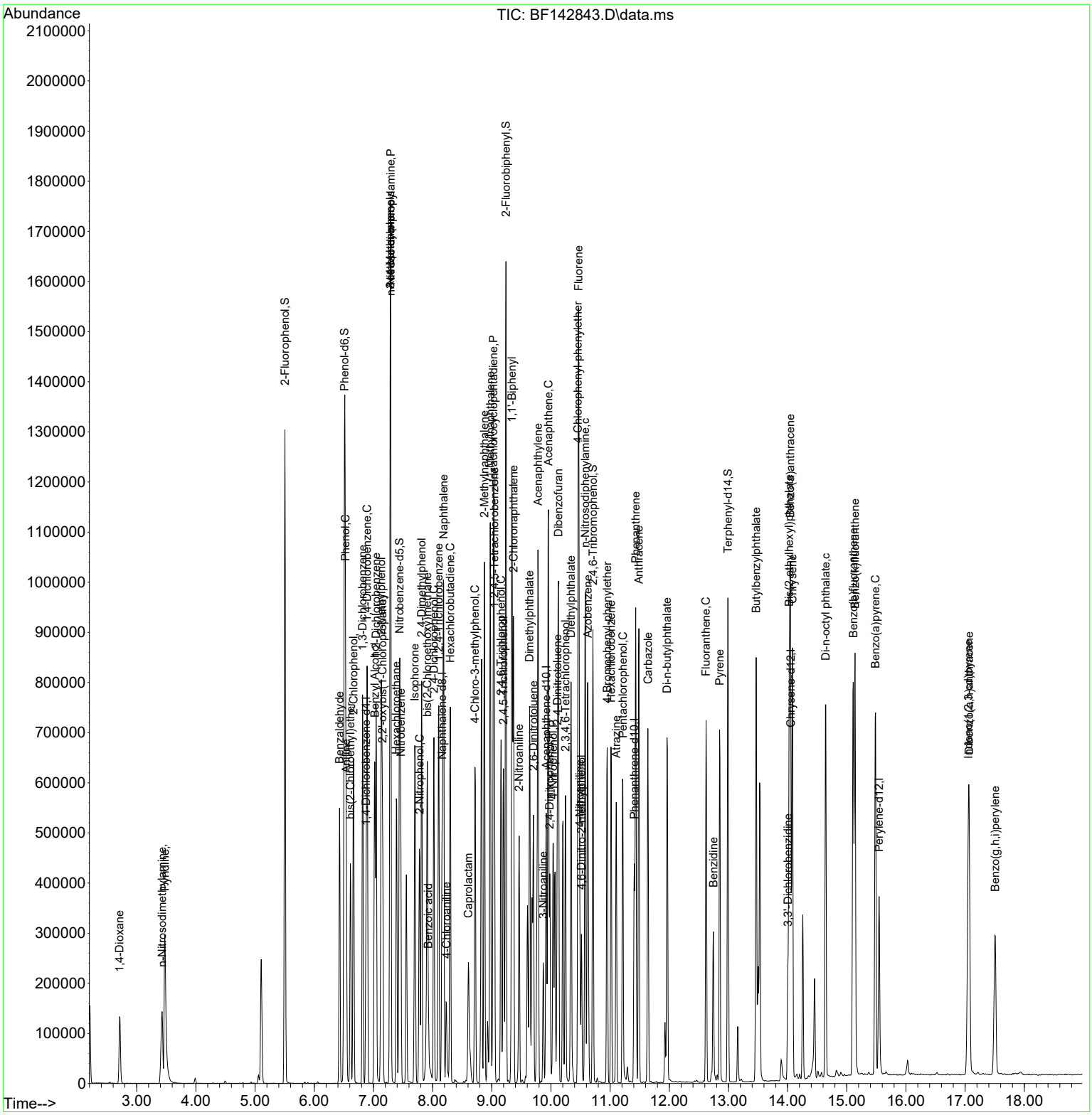
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	136008	40.558	ng	99
46) 1,1'-Biphenyl	9.339	154	547245	41.813	ng	100
47) 2-Chloronaphthalene	9.369	162	405690	41.306	ng	99
48) 2-Nitroaniline	9.463	65	109486	39.762	ng	95
49) Acenaphthylene	9.781	152	656449	40.601	ng	100
50) Dimethylphthalate	9.639	163	450728	42.027	ng	100
51) 2,6-Dinitrotoluene	9.704	165	97227	41.281	ng	99
52) Acenaphthene	9.957	154	424561	43.038	ng	99
53) 3-Nitroaniline	9.869	138	53290	20.550	ng	99
54) 2,4-Dinitrophenol	9.980	184	80048	67.877	ng	99
55) Dibenzofuran	10.128	168	563126	39.809	ng	99
56) 4-Nitrophenol	10.039	139	115198	64.891	ng	98
57) 2,4-Dinitrotoluene	10.110	165	122816	39.258	ng	98
58) Fluorene	10.469	166	429288	38.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	101337	37.490	ng	96
60) Diethylphthalate	10.339	149	430342	40.925	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	208769	39.601	ng	99
62) 4-Nitroaniline	10.486	138	81554	34.388	ng	98
63) Azobenzene	10.622	77	400040	42.566	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	56551	41.096	ng	94
66) n-Nitrosodiphenylamine	10.580	169	360840	45.765	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	120669	46.605	ng	97
68) Hexachlorobenzene	11.016	284	129337	44.955	ng	98
69) Atrazine	11.104	200	94788	46.555	ng	99
70) Pentachlorophenol	11.216	266	107120	74.720	ng	97
71) Phenanthrene	11.433	178	505523	41.020	ng	100
72) Anthracene	11.486	178	513353	40.616	ng	100
73) Carbazole	11.639	167	404102	37.050	ng	100
74) Di-n-butylphthalate	11.963	149	511965	45.058	ng	100
75) Fluoranthene	12.621	202	420643	35.965	ng	100
77) Benzidine	12.745	184	165026	26.465	ng	99
78) Pyrene	12.851	202	417496	26.837	ng	99
80) Butylbenzylphthalate	13.469	149	181793	40.286	ng	97
81) Benzo(a)anthracene	14.045	228	463653	41.412	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	59405	16.358	ng	98
83) Chrysene	14.080	228	425822	42.622	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	283606	43.681	ng	100
85) Di-n-octyl phthalate	14.645	149	541947	44.267	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	365312	24.250	ng	99
88) Benzo(b)fluoranthene	15.110	252	512125	44.749	ng	100
89) Benzo(k)fluoranthene	15.139	252	484313	45.233	ng	99
90) Benzo(a)pyrene	15.486	252	475618	43.019	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	299177	24.442	ng	99
92) Benzo(g,h,i)perylene	17.509	276	257081	21.062	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	86832	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	327352	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	161732	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	216826	20.000	ng		0.00
76) Chrysene-d12	14.057	240	166084	20.000	ng		0.00
86) Perylene-d12	15.545	264	195276	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	510437	97.872	ng		0.01
7) Phenol-d6	6.510	99	618603	100.535	ng		0.00
23) Nitrobenzene-d5	7.439	82	379709	63.624	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	152841	91.833	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	776863	63.101	ng		0.00
79) Terphenyl-d14	12.992	244	479096	39.857	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	77619	37.209	ng		100
3) Pyridine	3.475	79	209759	40.110	ng		100
4) n-Nitrosodimethylamine	3.428	42	113036	41.799	ng		99
6) Aniline	6.540	93	214782	26.234	ng	#	83
8) 2-Chlorophenol	6.663	128	240076	42.673	ng		99
9) Benzaldehyde	6.428	77	142335	38.990	ng		100
10) Phenol	6.528	94	280041	40.944	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	211398	43.245	ng		98
12) 1,3-Dichlorobenzene	6.816	146	259981	41.320	ng		99
13) 1,4-Dichlorobenzene	6.892	146	266435	41.971	ng		99
14) 1,2-Dichlorobenzene	7.045	146	254247	42.226	ng		99
15) Benzyl Alcohol	7.022	79	190482	42.821	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	323932	41.245	ng		95
17) 2-Methylphenol	7.134	107	180490	42.335	ng		98
18) Hexachloroethane	7.387	117	94535	42.576	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	153811	42.980	ng		98
20) 3+4-Methylphenols	7.287	107	226021	42.519	ng		95
22) Acetophenone	7.287	105	310952	43.076	ng		98
24) Nitrobenzene	7.463	77	230370	42.648	ng		98
25) Isophorone	7.698	82	409972	42.823	ng		100
26) 2-Nitrophenol	7.781	139	133671	45.428	ng		98
27) 2,4-Dimethylphenol	7.816	122	212994	41.789	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	262521	43.132	ng		99
29) 2,4-Dichlorophenol	8.022	162	198199	42.886	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	217187	42.738	ng		99
31) Naphthalene	8.187	128	676656	42.229	ng		100
32) Benzoic acid	7.928	122	99567	38.327	ng		96
33) 4-Chloroaniline	8.234	127	76461	11.735	ng		97
34) Hexachlorobutadiene	8.298	225	132910	42.757	ng		99
35) Caprolactam	8.610	113	52363	42.938	ng		96
36) 4-Chloro-3-methylphenol	8.716	107	192750	41.966	ng		98
37) 2-Methylnaphthalene	8.875	142	422995	42.581	ng		98
38) 1-Methylnaphthalene	8.975	142	434533	42.256	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	215130	45.080	ng		99
41) Hexachlorocyclopentadiene	9.028	237	224115	82.757	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	137174	44.112	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

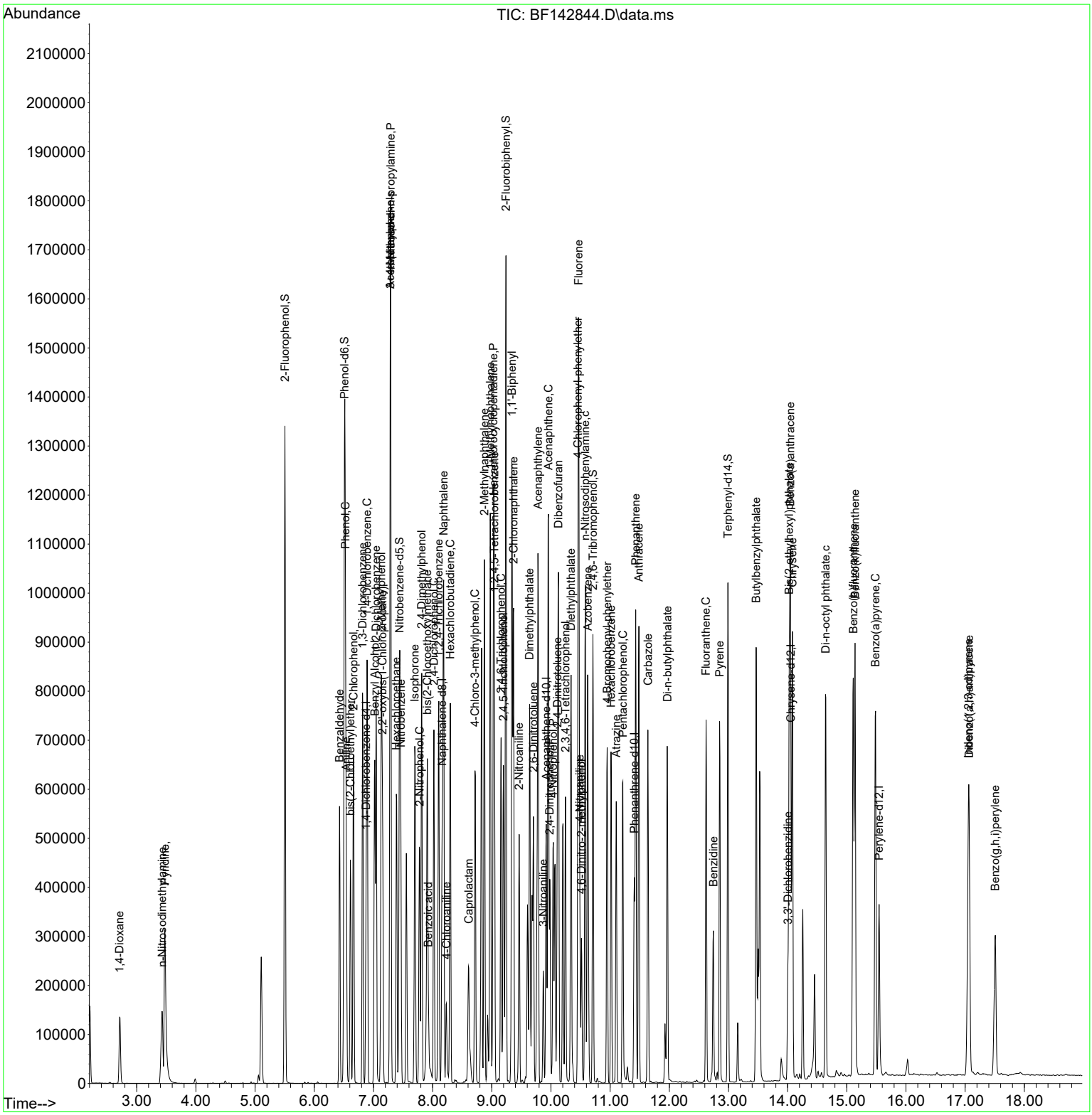
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	140604	42.953	ng	99
46) 1,1'-Biphenyl	9.339	154	569253	44.557	ng	99
47) 2-Chloronaphthalene	9.369	162	416871	43.481	ng	100
48) 2-Nitroaniline	9.463	65	114797	42.709	ng	98
49) Acenaphthylene	9.781	152	677374	42.918	ng	99
50) Dimethylphthalate	9.639	163	466375	44.548	ng	100
51) 2,6-Dinitrotoluene	9.704	165	100547	43.733	ng	98
52) Acenaphthene	9.957	154	433591	45.027	ng	99
53) 3-Nitroaniline	9.869	138	51321	20.274	ng	98
54) 2,4-Dinitrophenol	9.981	184	81917	71.158	ng	99
55) Dibenzofuran	10.128	168	578999	41.931	ng	100
56) 4-Nitrophenol	10.039	139	118397	68.321	ng	98
57) 2,4-Dinitrotoluene	10.110	165	127282	41.679	ng	99
58) Fluorene	10.469	166	438096	40.624	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	103184	39.105	ng	97
60) Diethylphthalate	10.339	149	442512	43.110	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	216441	42.059	ng	98
62) 4-Nitroaniline	10.486	138	83121	35.904	ng	97
63) Azobenzene	10.622	77	409836	44.673	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	58514	44.616	ng	96
66) n-Nitrosodiphenylamine	10.580	169	366172	48.728	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	123766	50.155	ng	97
68) Hexachlorobenzene	11.016	284	129801	47.338	ng	97
69) Atrazine	11.104	200	95172	49.045	ng	99
70) Pentachlorophenol	11.216	266	107461	78.649	ng	98
71) Phenanthrene	11.433	178	515807	43.915	ng	99
72) Anthracene	11.486	178	524846	43.570	ng	99
73) Carbazole	11.639	167	413578	39.785	ng	100
74) Di-n-butylphthalate	11.969	149	517455	47.783	ng	100
75) Fluoranthene	12.622	202	428340	38.426	ng	100
77) Benzidine	12.745	184	172817	27.695	ng	99
78) Pyrene	12.851	202	438025	28.137	ng	100
80) Butylbenzylphthalate	13.469	149	191237	42.349	ng	98
81) Benzo(a)anthracene	14.045	228	486056	43.382	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	60826	16.737	ng	99
83) Chrysene	14.080	228	448397	44.850	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	299554	46.105	ng	100
85) Di-n-octyl phthalate	14.645	149	570522	46.568	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	369992	24.875	ng	99
88) Benzo(b)fluoranthene	15.110	252	531909	47.074	ng	100
89) Benzo(k)fluoranthene	15.139	252	506561	47.917	ng	100
90) Benzo(a)pyrene	15.486	252	489635	44.854	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	301769	24.970	ng	98
92) Benzo(g,h,i)perylene	17.509	276	259891	21.566	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF061925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	bf062425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-05	BF142824.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:04 AM	Jagrut	6/25/2025 11:18:44 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(k)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-09	BF142826.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:11 AM	Jagrut	6/25/2025 11:18:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF062525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142834.D	2,4-Dimethylphenol	Rahul	6/26/2025 9:13:56 AM	Jagrut	6/26/2025 10:47:47 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM				
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM				
SubDirectory	BF062425	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142810.D	24 Jun 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142811.D	24 Jun 2025 10:16	RC/JU	Ok
3	PB168582BL	BF142812.D	24 Jun 2025 10:46	RC/JU	Ok
4	PB168582BS	BF142813.D	24 Jun 2025 11:17	RC/JU	Ok,M
5	Q2388-01	BF142814.D	24 Jun 2025 11:51	RC/JU	Ok
6	Q2380-01	BF142815.D	24 Jun 2025 12:22	RC/JU	Ok,M
7	Q2380-03	BF142816.D	24 Jun 2025 12:53	RC/JU	Ok,M
8	Q2381-01	BF142817.D	24 Jun 2025 13:24	RC/JU	Ok,M
9	Q2381-05	BF142818.D	24 Jun 2025 13:54	RC/JU	Ok,M
10	Q2385-01	BF142819.D	24 Jun 2025 14:57	RC/JU	Ok
11	Q2372-01	BF142820.D	24 Jun 2025 15:28	RC/JU	Ok
12	Q2386-01	BF142821.D	24 Jun 2025 15:59	RC/JU	Dilution
13	Q2392-01	BF142822.D	24 Jun 2025 16:30	RC/JU	Ok
14	Q2393-11	BF142823.D	24 Jun 2025 17:01	RC/JU	Ok
15	Q2393-05	BF142824.D	24 Jun 2025 17:33	RC/JU	Ok,M
16	Q2393-07	BF142825.D	24 Jun 2025 18:03	RC/JU	Ok,M
17	Q2393-09	BF142826.D	24 Jun 2025 18:34	RC/JU	Ok,M
18	Q2398-06	BF142827.D	24 Jun 2025 19:05	RC/JU	Ok,M
19	Q2398-03	BF142828.D	24 Jun 2025 19:36	RC/JU	Ok,M
20	Q2381-03	BF142829.D	24 Jun 2025 20:07	RC/JU	Ok,M
21	Q2380-05	BF142830.D	24 Jun 2025 20:38	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM				
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM				
SubDirectory	BF062425	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2384-01	BF142831.D	24 Jun 2025 21:08	RC/JU	Ok,M
23	Q2383-01	BF142832.D	24 Jun 2025 21:38	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM				
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM				
SubDirectory	BF062525	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142833.D	25 Jun 2025 12:17	RC/JU	Ok
2	SSTDCCC040	BF142834.D	25 Jun 2025 13:25	RC/JU	Ok,M
3	PB168592BL	BF142835.D	25 Jun 2025 13:55	RC/JU	Ok
4	PB168592BS	BF142836.D	25 Jun 2025 14:25	RC/JU	Ok,M
5	PB168592BSD	BF142837.D	25 Jun 2025 14:55	RC/JU	Ok,M
6	PB168601BL	BF142838.D	25 Jun 2025 15:26	RC/JU	Ok
7	PB168601BS	BF142839.D	25 Jun 2025 15:57	RC/JU	Ok
8	Q2393-01	BF142840.D	25 Jun 2025 16:32	RC/JU	Ok
9	Q2393-03	BF142841.D	25 Jun 2025 17:02	RC/JU	Ok
10	Q2394-01	BF142842.D	25 Jun 2025 17:33	RC/JU	Ok
11	Q2394-01MS	BF142843.D	25 Jun 2025 18:04	RC/JU	Ok
12	Q2394-01MSD	BF142844.D	25 Jun 2025 18:35	RC/JU	Ok
13	Q2386-02	BF142845.D	25 Jun 2025 19:06	RC/JU	Ok
14	Q2386-02MS	BF142846.D	25 Jun 2025 19:37	RC/JU	Ok
15	Q2386-02MSD	BF142847.D	25 Jun 2025 20:07	RC/JU	Ok
16	Q2388-04	BF142848.D	25 Jun 2025 20:38	RC/JU	Ok
17	Q2389-04	BF142849.D	25 Jun 2025 21:09	RC/JU	Ok
18	Q2399-01	BF142850.D	25 Jun 2025 21:40	RC/JU	Ok
19	Q2399-05	BF142851.D	25 Jun 2025 22:10	RC/JU	Ok
20	Q2386-01DL	BF142852.D	25 Jun 2025 22:41	RC/JU	Dilution
21	Q2386-01DL2	BF142853.D	25 Jun 2025 23:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM				
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM				
SubDirectory	BF062525	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2412-01	BF142854.D	25 Jun 2025 23:41	RC/JU	Ok,M
23	Q2403-03	BF142855.D	26 Jun 2025 00:12	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICC040	SSTDICC040	BF142792.D	19 Jun 2025 19:09	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142810.D	24 Jun 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142811.D	24 Jun 2025 10:16		RC/JU	Ok
3	PB168582BL	PB168582BL	BF142812.D	24 Jun 2025 10:46		RC/JU	Ok
4	PB168582BS	PB168582BS	BF142813.D	24 Jun 2025 11:17		RC/JU	Ok,M
5	Q2388-01	TP-12	BF142814.D	24 Jun 2025 11:51		RC/JU	Ok
6	Q2380-01	72-11948	BF142815.D	24 Jun 2025 12:22	Internal Standard Fail	RC/JU	Ok,M
7	Q2380-03	VNJ-211	BF142816.D	24 Jun 2025 12:53		RC/JU	Ok,M
8	Q2381-01	291431	BF142817.D	24 Jun 2025 13:24		RC/JU	Ok,M
9	Q2381-05	72-11929	BF142818.D	24 Jun 2025 13:54	Internal Standard Fail	RC/JU	Ok,M
10	Q2385-01	A5311	BF142819.D	24 Jun 2025 14:57		RC/JU	Ok
11	Q2372-01	GAV1W	BF142820.D	24 Jun 2025 15:28		RC/JU	Ok
12	Q2386-01	SU-1-062025	BF142821.D	24 Jun 2025 15:59	Internal Standard Fail, Run 10X Dilution and then decide further dilution	RC/JU	Dilution
13	Q2392-01	S-1	BF142822.D	24 Jun 2025 16:30		RC/JU	Ok
14	Q2393-11	PARK AVE -6	BF142823.D	24 Jun 2025 17:01		RC/JU	Ok
15	Q2393-05	PARK AVE -3	BF142824.D	24 Jun 2025 17:33		RC/JU	Ok,M
16	Q2393-07	PARK AVE -4	BF142825.D	24 Jun 2025 18:03		RC/JU	Ok,M
17	Q2393-09	PARK AVE -5	BF142826.D	24 Jun 2025 18:34		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2398-06	ARS20-0036	BF142827.D	24 Jun 2025 19:05	Internal Standard Fail	RC/JU	Ok,M
19	Q2398-03	M00-25-0179	BF142828.D	24 Jun 2025 19:36	Internal Standard Fail	RC/JU	Ok,M
20	Q2381-03	VNJ-207	BF142829.D	24 Jun 2025 20:07		RC/JU	Ok,M
21	Q2380-05	RBR-200059	BF142830.D	24 Jun 2025 20:38		RC/JU	Ok,M
22	Q2384-01	OK-01-6202025	BF142831.D	24 Jun 2025 21:08		RC/JU	Ok,M
23	Q2383-01	RT-5376	BF142832.D	24 Jun 2025 21:38	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142833.D	25 Jun 2025 12:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142834.D	25 Jun 2025 13:25		RC/JU	Ok,M
3	PB168592BL	PB168592BL	BF142835.D	25 Jun 2025 13:55		RC/JU	Ok
4	PB168592BS	PB168592BS	BF142836.D	25 Jun 2025 14:25		RC/JU	Ok,M
5	PB168592BSD	PB168592BSD	BF142837.D	25 Jun 2025 14:55		RC/JU	Ok,M
6	PB168601BL	PB168601BL	BF142838.D	25 Jun 2025 15:26		RC/JU	Ok
7	PB168601BS	PB168601BS	BF142839.D	25 Jun 2025 15:57		RC/JU	Ok
8	Q2393-01	PARK AVE -1	BF142840.D	25 Jun 2025 16:32		RC/JU	Ok
9	Q2393-03	PARK AVE -2	BF142841.D	25 Jun 2025 17:02		RC/JU	Ok
10	Q2394-01	MH-K/L	BF142842.D	25 Jun 2025 17:33		RC/JU	Ok
11	Q2394-01MS	MH-K/LMS	BF142843.D	25 Jun 2025 18:04		RC/JU	Ok
12	Q2394-01MSD	MH-K/LMSD	BF142844.D	25 Jun 2025 18:35		RC/JU	Ok
13	Q2386-02	SU-1-062025	BF142845.D	25 Jun 2025 19:06		RC/JU	Ok
14	Q2386-02MS	SU-1-062025MS	BF142846.D	25 Jun 2025 19:37		RC/JU	Ok
15	Q2386-02MSD	SU-1-062025MSD	BF142847.D	25 Jun 2025 20:07		RC/JU	Ok
16	Q2388-04	TP-12	BF142848.D	25 Jun 2025 20:38		RC/JU	Ok
17	Q2389-04	MH-J-I	BF142849.D	25 Jun 2025 21:09		RC/JU	Ok
18	Q2399-01	TP-13	BF142850.D	25 Jun 2025 21:40		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2399-05	EP-7	BF142851.D	25 Jun 2025 22:10		RC/JU	Ok
20	Q2386-01DL	SU-1-062025DL	BF142852.D	25 Jun 2025 22:41	Need Further 5X Dilution	RC/JU	Dilution
21	Q2386-01DL2	SU-1-062025DL2	BF142853.D	25 Jun 2025 23:11		RC/JU	Ok,M
22	Q2412-01	TR-05-062425	BF142854.D	25 Jun 2025 23:41		RC/JU	Ok,M
23	Q2403-03	LAW-25-0093	BF142855.D	26 Jun 2025 00:12	Surrogate Failed.	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168601

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 06/24/2025

Extraction Start Time : 13:00

Extraction End Date : 06/24/2025

Extraction End Time : 16:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25	RS (EXT-Lab)	RC/SVOC
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168601

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168601BL	SBLK601	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB168601BS	SLCS601	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2392-01	S-1	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		3
Q2393-01	PARK AVE -1	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	D		4
Q2393-03	PARK AVE -2	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	D		5
Q2393-05	PARK AVE -3	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		6
Q2393-07	PARK AVE -4	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	D		U2-1
Q2393-09	PARK AVE -5	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		2
Q2393-11	PARK AVE -6	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		3
Q2394-01	MH-K/L	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q2394-01MS	MH-K/LMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
Q2394-01MS D	MH-K/LMSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		6
Q2398-03	M00-25-0179	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D	Small Partical	U3-1
Q2398-06	ARS20-0036	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		2
Q2399-01	TP-13	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		3
Q2399-05	EP-7	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		4

RS 6/24

* **Extracts relinquished on the same date as received.**

1686
13:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2398 **WorkList ID :** 190360 **Department :** Extraction **Date :** 06-24-2025 12:52:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	A41	06/23/2025	8270E
Q2393-01	PARK AVE -1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-03	PARK AVE -2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-05	PARK AVE -3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-07	PARK AVE -4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-09	PARK AVE -5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-11	PARK AVE -6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2394-01	MH-K/L	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A21	06/23/2025	8270E
Q2398-03	M00-25-0179	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2398-06	ARS20-0036	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2399-01	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E
Q2399-05	EP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E

Date/Time 6/24/25 12:55
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by: SM

Date/Time 6/24/25 13:20
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT Lab)

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 2556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/25/25	
Q2393-03	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/25/25	
Q2393-05	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-07	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-09	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	
Q2393-11	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	